

# Compartment Review Presentation

## Beaver Island Group Forest Management Unit

Compartment 8160170

Entry Year: 2024

Acreage: 1,041

County: Charlevoix

Management Area: Unspecified

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**Stand Examiner:** Katie Armstrong

### Legal Description:

T37N-39N, R10W-11W, multiple sections.

### Identified Planning Goals:

The Northern Lake Michigan Islands Collaborative (NLMIC) was formed in accordance with the Management Plan for State-Owned Lands on Northern Lake Michigan Islands (DNR 2017) to work collaboratively with the DNR on state-owned land management issues. The NLMIC is comprised of individuals representing their personal and organizational values and includes Tribal governments, local units of government, non-governmental agencies, island residents, and other interested stakeholders that recognize the various and unique social, economic, cultural, and ecological impacts of state land management in an island context. Experience shows that most landscape scale projects require support of key local constituencies to achieve enduring conservation success. A subset of this larger group, the Landscape Level Planning Subcommittee, developed zones on Beaver Island state-owned lands to better plan management activities on the island state-owned lands. These zones include the Special Conservation Zone, Selective Management Zone, and Habitat Maintenance and Restoration Zone. The full NLMIC approved these zones and their definitions, which are explained within the Implementation Plan for State-Owned Lands on Beaver Island (DNR 2021), an addendum to the 2017 Management Plan. The plans, zones, and zone definitions are considered final and have guided the proposals outlined in this packet.

### Soil and topography:

Soil types on Beaver Island can be classified into four main associations: Deer Park-Dune Land Eastport Association, Kalkaska-Mancelona Association, Roscommon-Charlevoix -Mackinac Association, and Emmet-Leelanau Association. The Deer Park-Dune Land Eastport Association is well-drained, nearly level to very steep sandy soils on beach ridges and dunes, found along the coastline. The Kalkaska-Mancelona Association is well-drained to moderately well-drained, nearly level to gently sloping sandy soils on lake plains and valley trains. The Roscommon-Charlevoix-Mackinac Association is poorly to moderately poorly drained, nearly level to gently sloping sandy and loamy soils on lake plains, found primarily in wetlands. The Emmet-Leelanau Association is well-drained, nearly level to very steep loamy and sandy soils on moraines.

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

State-owned land makes up approximately 33% (~12,400 acres) of Beaver Island. The state-owned land was acquired by tax reversion (53%), purchase (33%), and private and federal government exchanges, gifts, and grants (14%). Larger blocks of contiguous state-owned land are located within Peaine Township, and shoreline properties can be found in both St. James and Peaine Townships.

### Unique Natural Features:

Beaver Island is rich with unique natural features. The Michigan Natural Features Inventory has done extensive survey to document the multiple natural communities found both on and off state-owned lands on the island. Some of the exemplary natural communities documented include open dunes, mesic northern forest, boreal forest, rich conifer swamp, poor conifer swamp, interdunal wetland, hardwood conifer swamp, poor fen, dry-mesic northern forest, and bog. The Lake Michigan shoreline is well known for its aesthetics and spectacular views. Bluffs and dunes highlight the lakeshore, and the inland forests and wetlands are also significant natural features of note.

### Archeological, Historical, and Cultural Features:

Beaver Island and the surrounding bottomlands contain cultural sites representing thousands of years of area history. Native Americans occupied the island for millennia before European missionaries, traders, trappers, and settlers arrived. All left their mark on the landscape as observed in descendant histories, archaeological sites, architecture, shipwrecks, and more. Island cultural resources, including natural features important to traditional Anishinaabek culture, remain an important part of island life and collaborative stewardship today. Most state-owned lands on the island have not yet been surveyed for cultural resources. Survey to identify cultural resources should be considered prior to the initiation of proposed ground disturbing projects. Cultural resources on state-owned lands and bottomlands are protected by law and are stewarded by the DNR on behalf of all citizens.

### Special Management Designations or Considerations:

Special designations occurring on Beaver Island include Special Conservation Areas (SCAs) and High Conservation Value Areas (HCVAs), and Environmental Reference areas (ERAs). The following designations are found on state-owned lands:

SCAs: The entire island is part of the Great Lakes Islands SCA. All state-owned land on the island is included in the Wildlife Research Areas SCA, as it is part of the legally designated Beaver Island State Wildlife Research Area in 1967. There are two Non-Dedicated Natural Areas: McFadden Point and French Bay. A Natural Beauty Road runs north-south on the western half of the island and is considered part of the Visual Management SCA. The Special Management Zone developed by the NLMIC is up for review to become a designated SCA as a Contiguous Resource Area. HCVAs: Critical Dunes, Critical Coastal Habitat (piping plover) Designated Habitat Area. ERAs: Poor Fen ERA, Open Dunes ERA, Dry-Mesic Northern Forest ERA, Mesic Northern Forest ERA, Fox Lake Bog ERA, and French Bay Boreal Forest ERA.

### **Watershed and Fisheries Considerations:**

A variety of high-quality lakes and streams are located on Beaver Island. Iron Ore Creek, Jordan River, and Cables Creek are all designated trout streams, and Iron Ore Creek and Cables Creek host resident populations of native brook trout, and naturally reproducing juvenile steelhead. Jordan River is a warm transitional stream, home to a robust community of various minnow and shiner species. All three streams see migratory runs of rainbow trout (steelhead), brown trout, white sucker, longnose sucker, and occasionally Chinook and coho salmon.

### **Wildlife Habitat Considerations:**

The wide range of habitats found on Beaver Island make it ideal for the diverse wildlife species present. The island is a permanent home to a variety of wildlife ranging from forest and open-land game species like deer and turkey, to rare, threatened, and endangered species outlined in the Threatened and Endangered Species section above. The island wetlands, shorelines, and forests provide important stopover habitats for migratory bird guilds like waterfowl, shorebirds, and warblers. The various wetland types and adjacent upland areas harbor a multitude of reptiles and amphibian species.

Some species are more sensitive to or dependent on habitat alterations than others. These species are defined as "featured species" in the State Forest Management Plan by the DNR. These species are taken into account when considering management operations. In management for young forests, featured species benefit from the dense cover and abundant food sources found there. In mature forests, creation of understory complexity, down woody debris, encouragement of growth on significant tree species can benefit other featured species. In addition to featured species designated by the DNR, several species and their habitats are considered "key species" within the Recommendations for Natural Resource Management in the Beaver Archipelago in Appendix B within the report. Key species listed there are defined as :Animal and plant species that, due to their impact on other species, the economy, and/or the environment, should be subject to long-term scientific monitoring of their condition.

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

Mineral resources on Beaver Island are limited to construction aggregate (i.e., sand & gravel). There are two gravel pits on state land. The French Bay gravel pit located on the southwest side of the island and Johnny Martin's Trail gravel pit on the east side of the island.

### **Vehicle Access:**

There are multiple county roads on Beaver Island that are used to access both public and private lands. Kings Highway is the only paved county road on the island and runs north and south on the eastern third of the island. Other north/south roads include East Side Drive and West Side Road, which connect to the southern portions of the island on the east and west sides of the island respectively. Several connector roads run east and west giving access to the main roads.

### **Survey Needs:**

No survey needs are known at this time. Surveys will need to be conducted in the future as management is proposed or to resolve potential trespass issues.

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

The island's wildlife resources provide hunting and trapping opportunities for common species like deer, turkey, ruffed grouse, woodcock, snowshoe hare, coyote, and beaver. As a common migratory bird stopover site, birding opportunities are abundant seasonally, and year-round resident birds also provide bird-watching opportunities. Fishing opportunities are available for walleye, pike, bass, carp, and panfish on the many lakes. Recreational fishing on Lake Michigan is also available seasonally out of the marina on Paradise Bay for salmon and lake trout. The Bill Wagner Memorial Campground is a Concentrated Recreation Area on state-owned land is leased by Peaine Township. That entity also leases other state-owned recreational properties including parcels on Lake Geneserath, Cables Creek, Greene's Lake, and Martin's Bluff. There are several trails on the island, including trails for hiking, birding, biking, and viewing historical sites. There are user-developed foot trails on the large tracts of state-owned lands in Peaine Township. A water trail circumvents the island and several state-owned lakeshore properties are designated for that purpose via DNR Director's order. There are canoe and kayak rental businesses on the island that assist in promoting those recreational activities.

### **Fire Protection:**

Main fire protection for the island is from the local townships. There is a fire station on the east side of the island within Peaine Township. Access to interior state-owned land is limited. Volatile fuel types are limited on the island and most forest types are not prone to fire, though downed wood is abundant.

### **Additional Compartment Information:**

While designated as a State Wildlife Research Area, the state-owned lands on Beaver Island were previously managed by Forest Resources Division. Today, the state-owned lands are administered by the Wildlife Division with input from members of the Northern Lake Michigan Islands Collaborative (described in the Planning Goals section of this document). As such, state-owned land management on the island is increasingly focused on collaboration and partnerships in order to enhance support for and understanding of natural resource-related activities as well as build capacity to maintain or improve those resources. The island has been subject to many recent natural resource surveys and research studies including those for rare species and natural communities, invasive species, wildlife, fish, and cultural and archaeological resources. These surveys and research studies have been in conjunction with many partners and entities, including universities, Tribes, federal and state agencies, non-governmental organizations, local clubs and organizations, and townships. Outreach efforts related to natural and cultural resources have also been increasing on the island. For instance, invasive species education and outreach has grown significantly in the past several years and a project to increase environmental literacy on the island is also being initiated.

**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: 8160170  
T37N-39N, R10W-11W  
County: Charlevoix  
Unit: Beaver Island Group  
Mgmt. Area: Unspecified  
YOE: 2024  
Acres: 1,041 GIS Calculated  
Examiner: Katie Armstrong  
Date Exported: 9/2/2025  
Map Phase: Current Phase

0 0.5 1 Miles

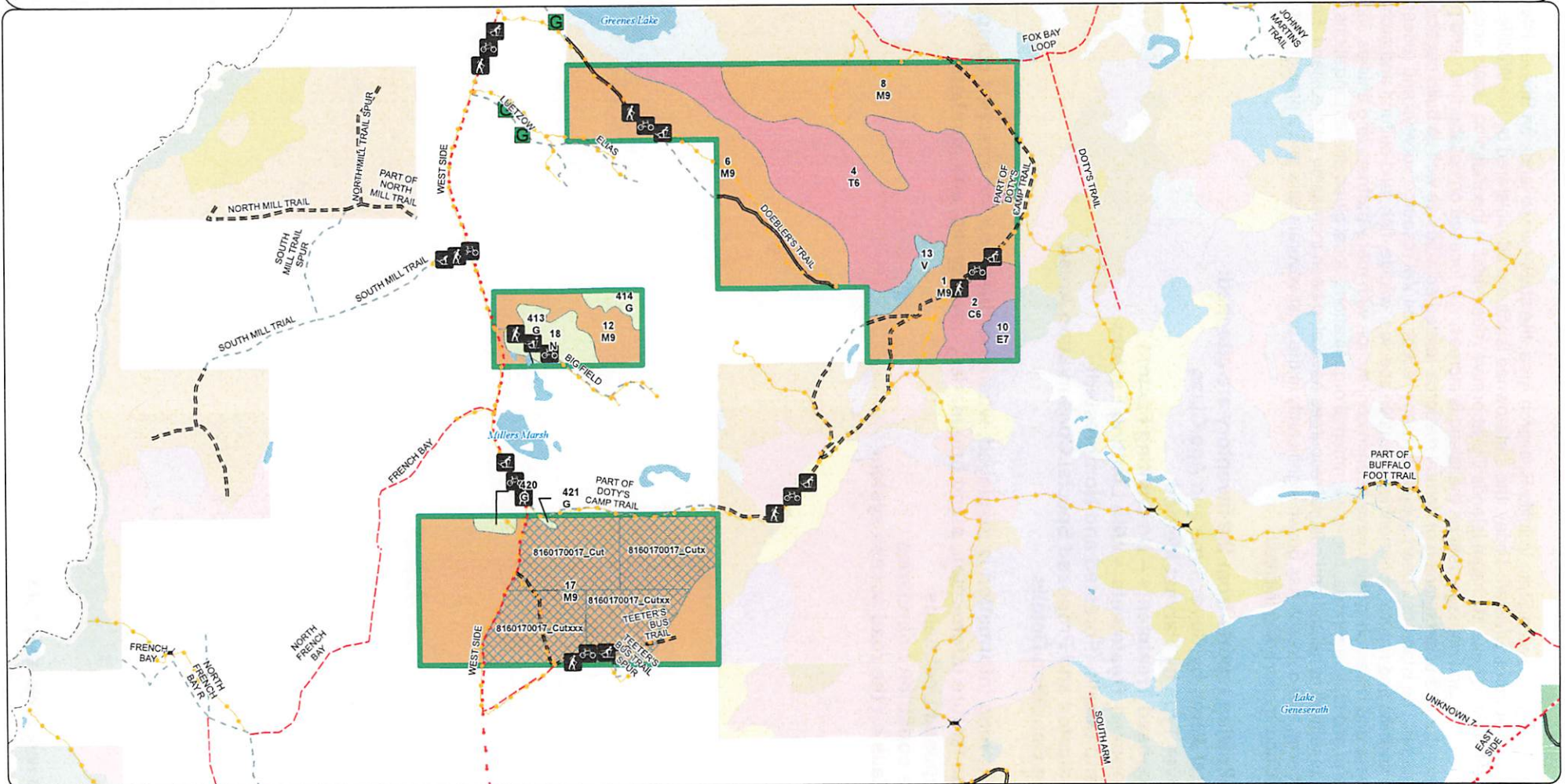
- Gate
- Bridges
- Culvert
- Use Permit Trails

DNR - Secondary Forest Road

- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River

- Lakes and Rivers
- Counties
- Compartment Boundary
- Selection
- 411 - Northern Hardwood
- 611 - Lowland Deciduous Forest

- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



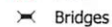
# Cover Type & Treatments Map



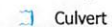
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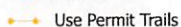
Gate



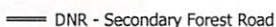
Bridges



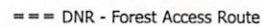
Culvert



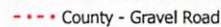
Use Permit Trails



DNR - Secondary Forest Road



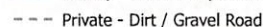
DNR - Forest Access Route



County - Gravel Road



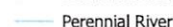
County - Dirt Road (Seasonal)



Private - Dirt / Gravel Road



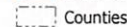
Intermittent Stream



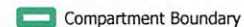
Perennial River



Lakes and Rivers



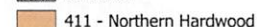
Counties



Compartment Boundary



Selection



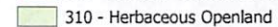
411 - Northern Hardwood



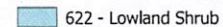
611 - Lowland Deciduous Forest



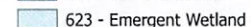
612 - Lowland Coniferous Forest



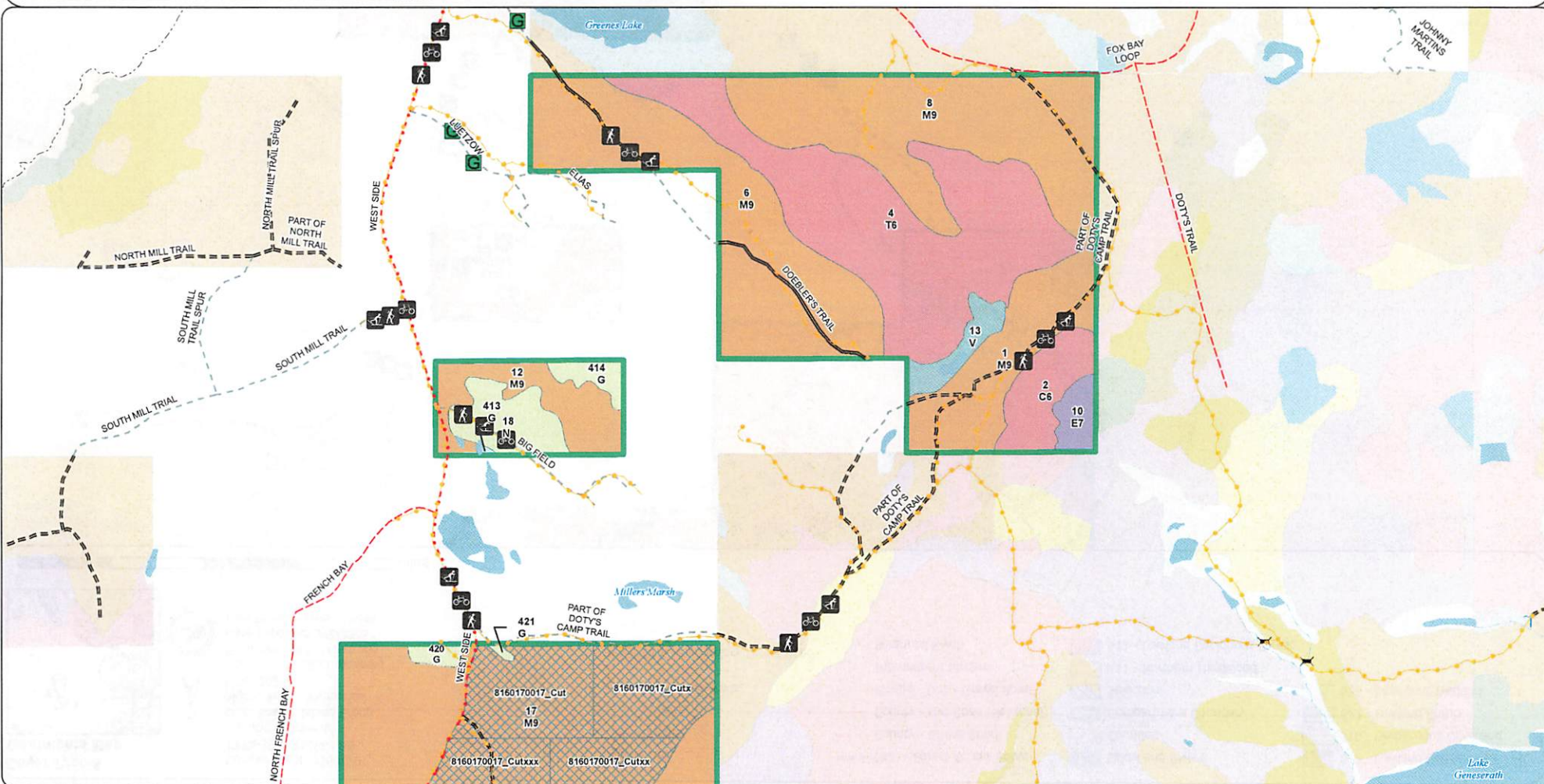
310 - Herbaceous Openland



622 - Lowland Shrub



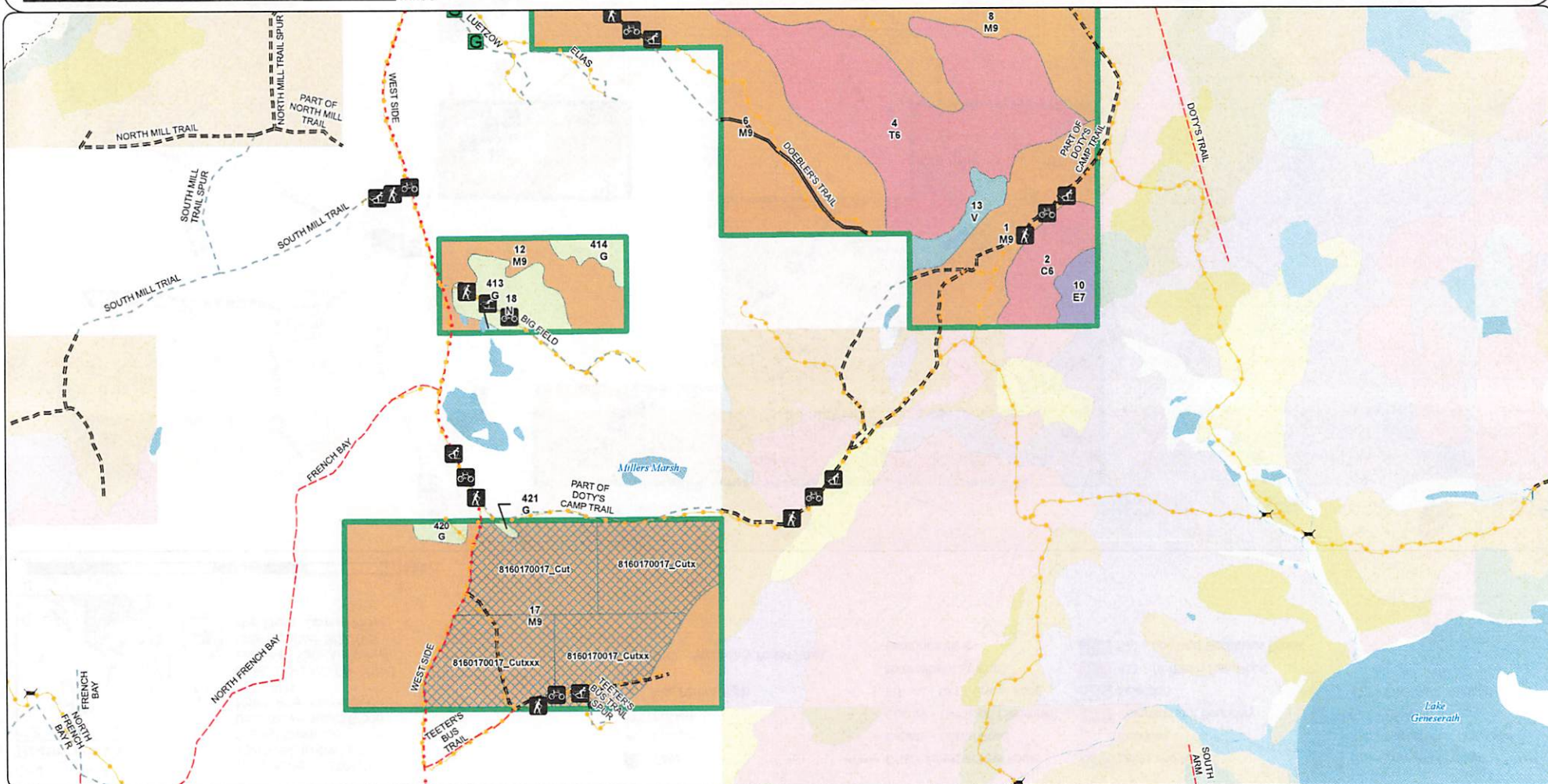
623 - Emergent Wetland



== DNR - Forest Access Route  
 - - - County - Gravel Road  
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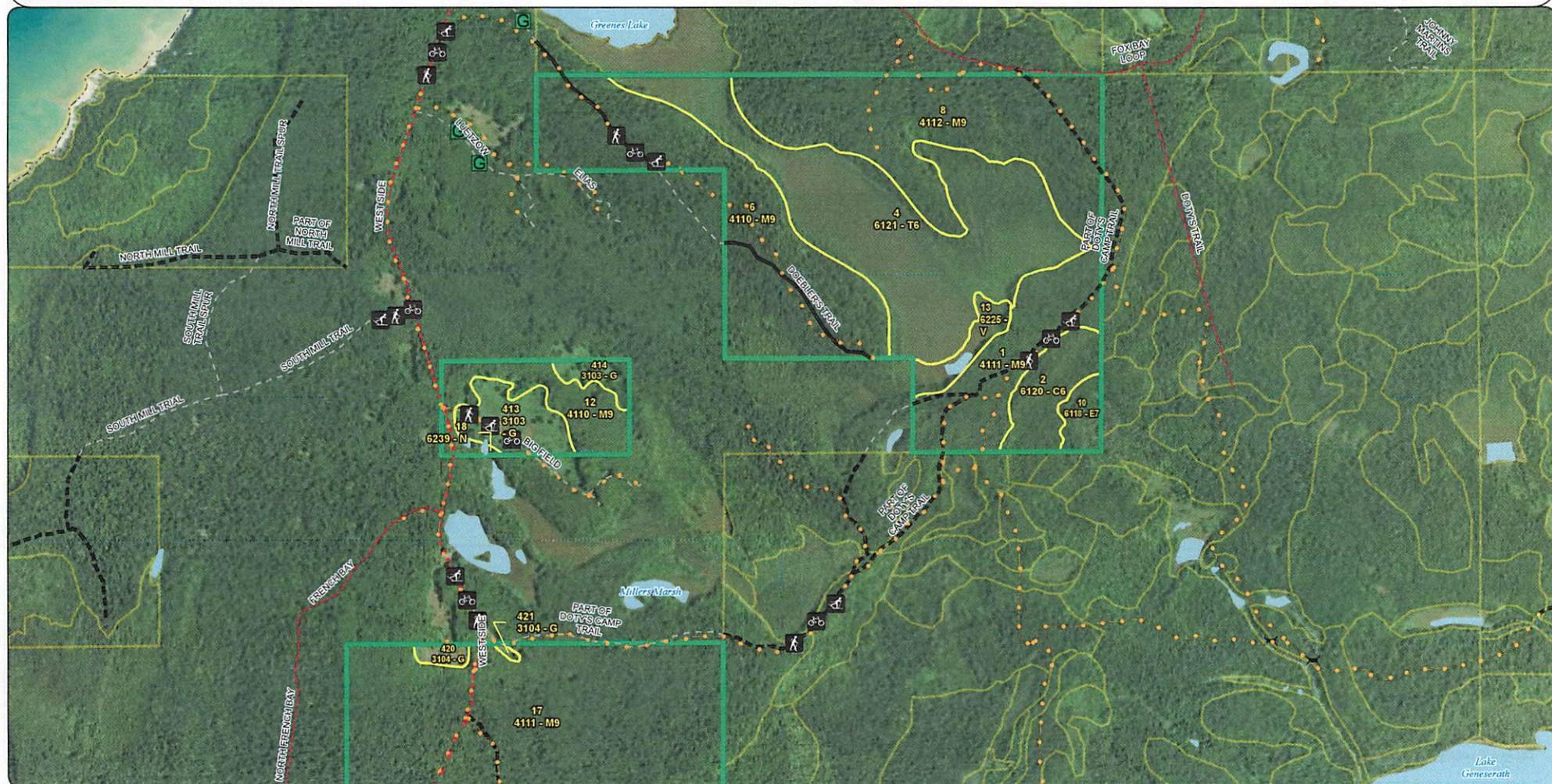
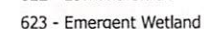
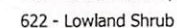
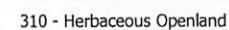
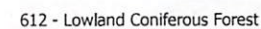
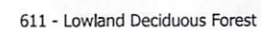
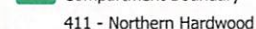
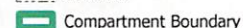
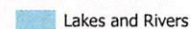
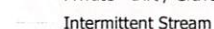
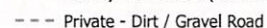
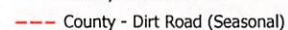
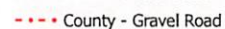
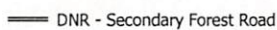
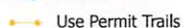
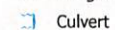
612 - Lowland Coniferous Forest  
310 - Herbaceous Openland  
622 - Lowland Shrub  
623 - Emergent Wetland

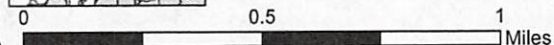


# Stand Boundary Map

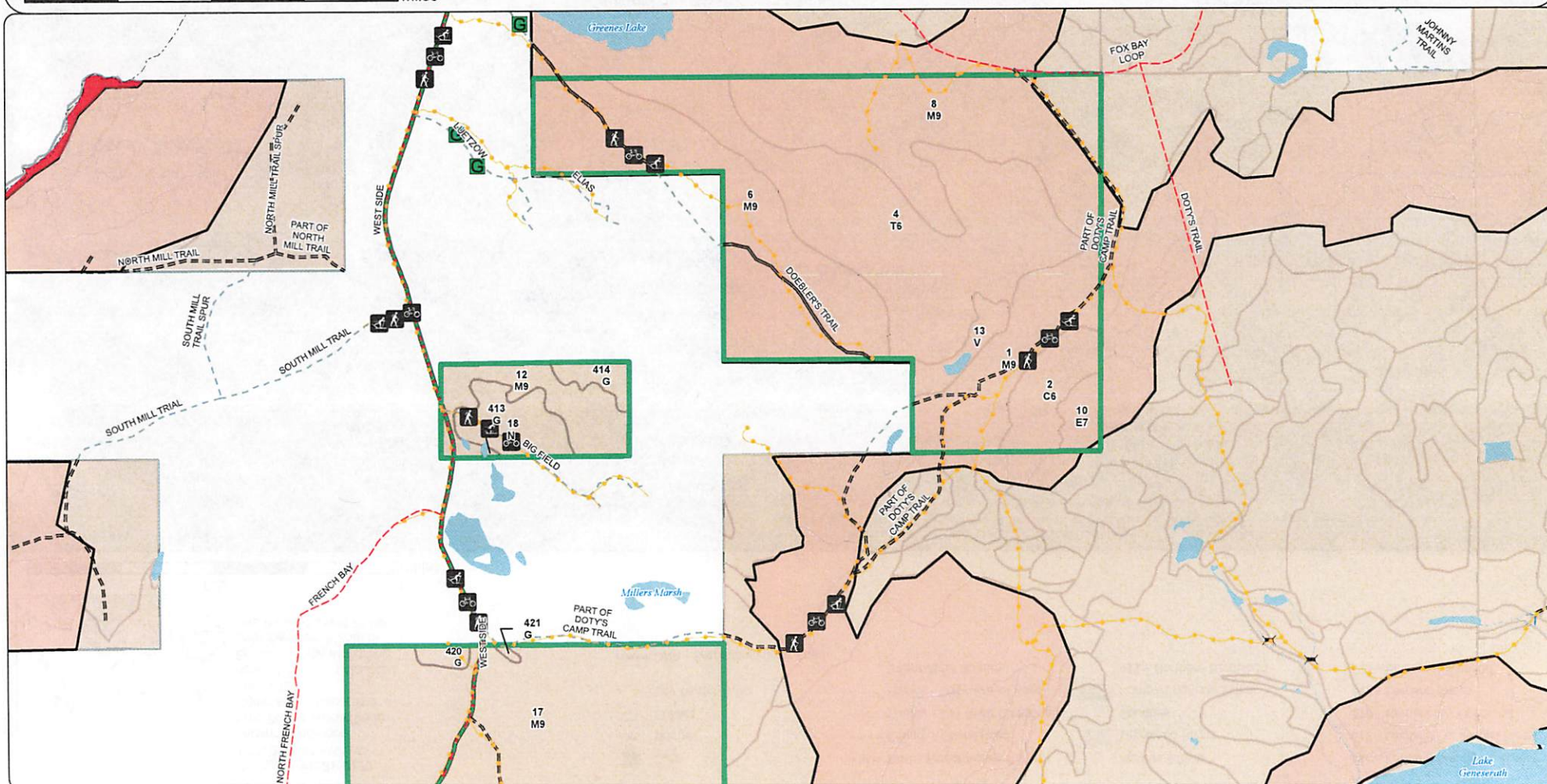


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Map Phase: Current Phase





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- The map displays the Klamath River Watershed, including the Klamath River and its tributaries. The map is overlaid with a grid of counties and various land management boundaries. The legend identifies the following features:
- Gate:** Represented by a green square icon.
  - Bridges:** Represented by a black icon of a bridge.
  - Culvert:** Represented by a blue icon of a culvert.
  - Use Permit Trails:** Represented by a yellow line with a dot.
  - DNR - Secondary Forest Road:** Represented by a thick black line.
  - DNR - Forest Access Route:** Represented by a dashed black line.
  - County - Gravel Road:** Represented by a dotted black line.
  - County - Dirt Road (Seasonal):** Represented by a dashed red line.
  - Private - Dirt / Gravel Road:** Represented by a dashed grey line.
  - Intermittent Stream:** Represented by a light blue line.
  - Perennial River:** Represented by a solid blue line.
  - Lakes and Rivers:** Represented by a light blue shaded area.
  - Counties:** Represented by a dashed black line.
  - Compartment Boundary:** Represented by a thick green line.
  - Stand Boundaries:** Represented by a thick black line.
  - Ecological Reference Areas:** Represented by a red shaded area.
  - SCA:** Represented by a black and white checkered pattern.
  - Natural Beauty Roads:** Represented by a green line.
  - Wildlife Research Areas:** Represented by a brown shaded area.
  - Contiguous Resource Area:** Represented by a pink shaded area.



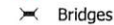
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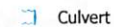
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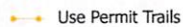
Gate



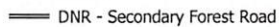
Bridges



Culvert



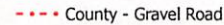
Use Permit Trails



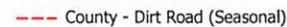
DNR - Secondary Forest Road



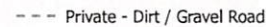
DNR - Forest Access Route



County - Gravel Road



County - Dirt Road (Seasonal)



Private - Dirt / Gravel Road



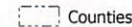
Intermittent Stream



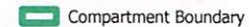
Perennial River



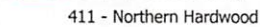
Lakes and Rivers



Counties



Compartment Boundary



411 - Northern Hardwood

611 - Lowland Deciduous Forest

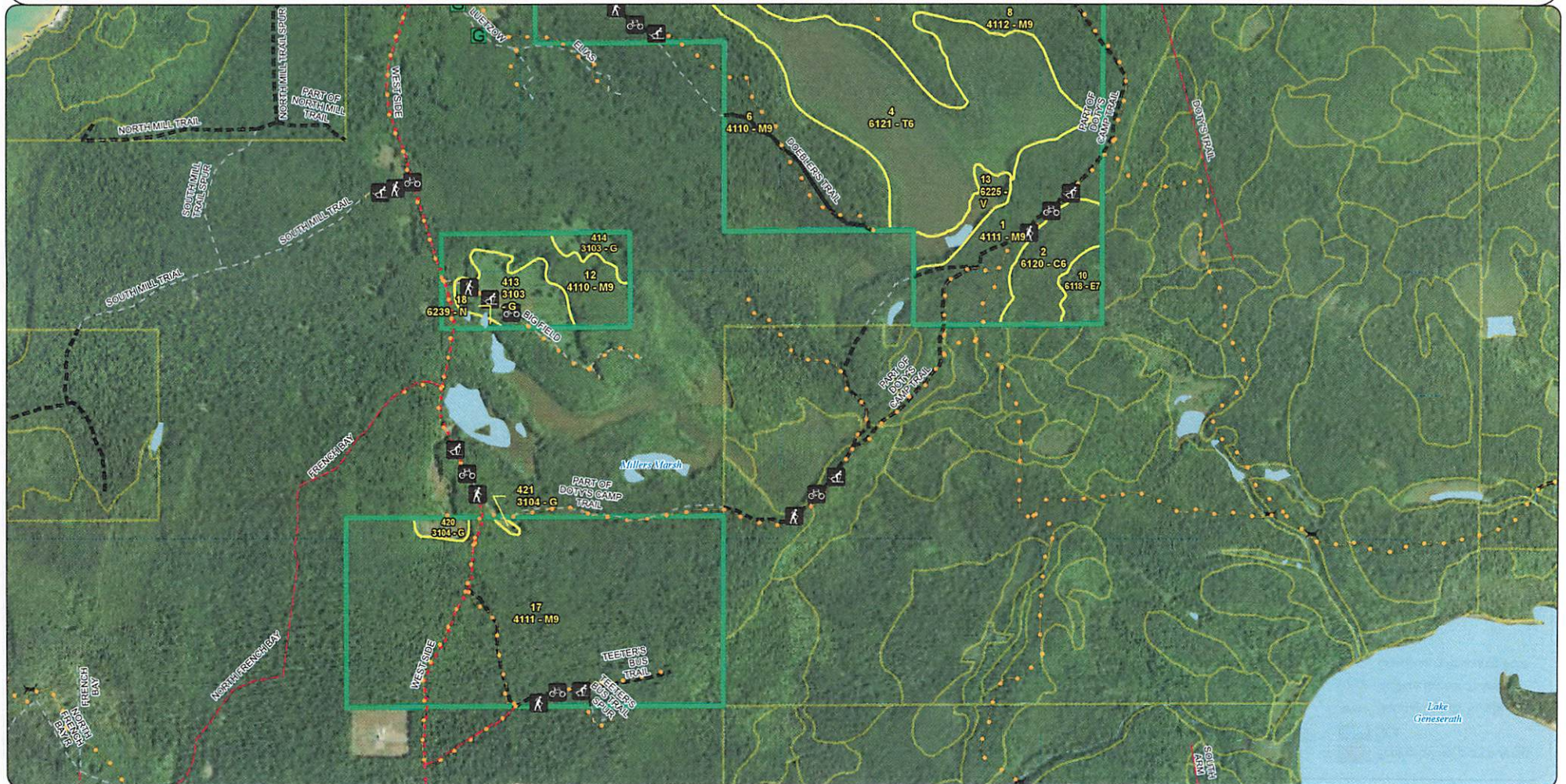
612 - Lowland Coniferous Forest

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0 0.5 1 Miles



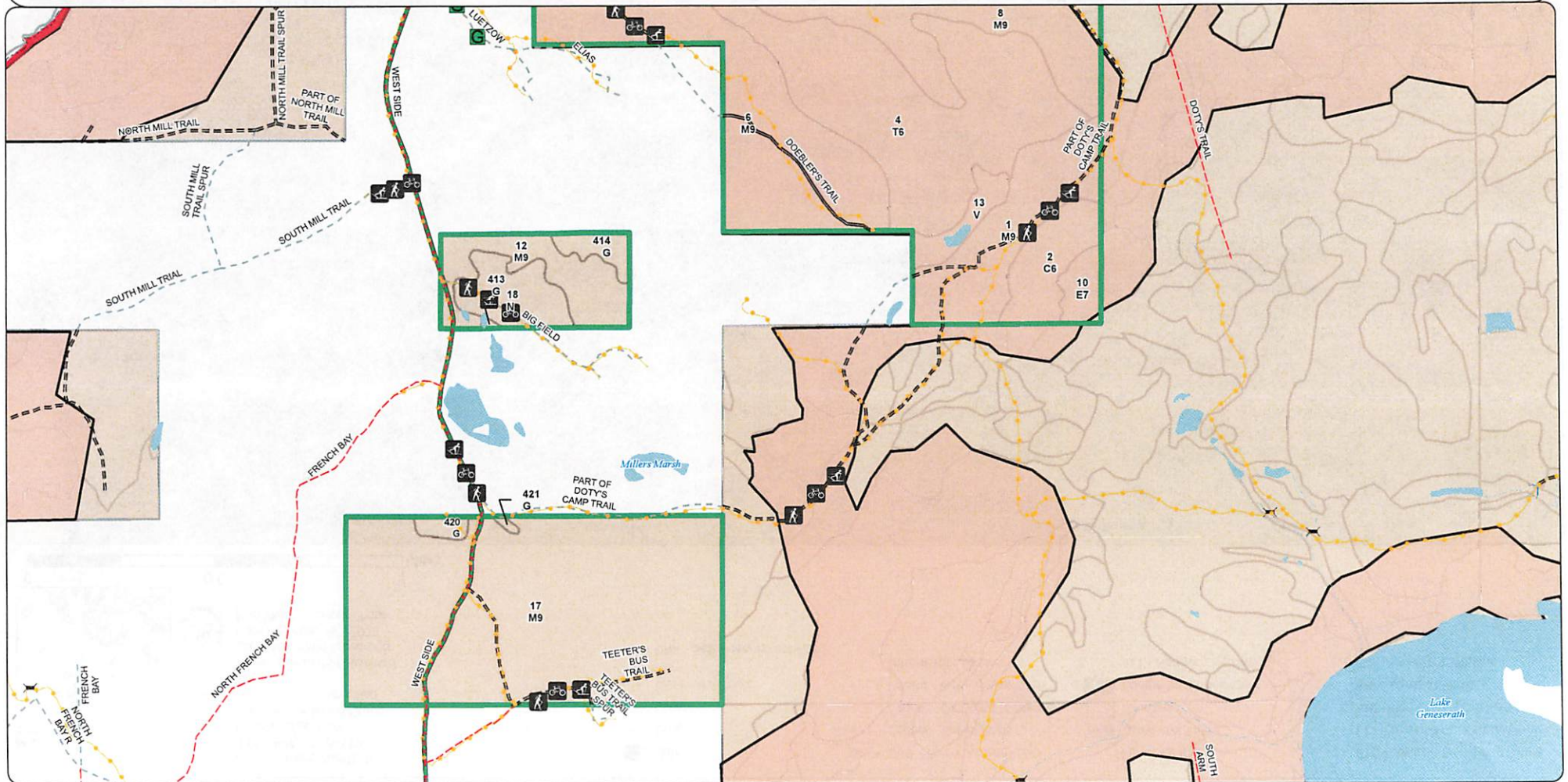
# Special Conservation Areas & Site Conditions Map

Compartment: 8160170  
T37N-39N, R10W-11W  
County: Charlevoix  
Unit: Beaver Island Group  
Mgmt. Area: Unspecified  
YOE: 2024  
Acres: 1,041 GIS Calculated  
Examiner: Katie Armstrong  
Date Exported: 9/2/2025  
Map Phase: Current Phase



0 0.5 1 Miles

- |                             |                               |                      |                            |
|-----------------------------|-------------------------------|----------------------|----------------------------|
| Gate                        | DNR - Forest Access Route     | Perennial River      | Ecological Reference Areas |
| Bridges                     | County - Gravel Road          | Lakes and Rivers     | SCA                        |
| Culvert                     | County - Dirt Road (Seasonal) | Counties             | Natural Beauty Roads       |
| Use Permit Trails           | Private - Dirt / Gravel Road  | Compartment Boundary | Wildlife Research Areas    |
| DNR - Secondary Forest Road | Intermittent Stream           | Stand Boundaries     | Contiguous Resource Area   |



# Report 1 – Total Acres by Cover Type and Age Class

Compartment 70 Year of Entry 2024

|                     | 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+ | Unseen-Aged | Total |
| Bog                 | 15         | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0       | 0       | 0       | 0       | 0    | 0           | 14    |
| Cedar               | 0          | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0       | 0       | 0       | 0       | 32   | 0           | 32    |
| Herbaceous Openland | 44         | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0       | 0       | 0       | 0       | 0    | 0           | 44    |
| Lowland Deciduous   | 0          | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 12      | 0       | 0       | 0       | 0       | 0    | 0           | 12    |
| Marsh               | 1          | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0       | 0       | 0       | 0       | 0    | 0           | 1     |
| Northern Hardwood   | 0          | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 41      | 706     | 0       | 0       | 0       | 0    | 0           | 747   |
| Tamarack            | 0          | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0       | 0       | 0       | 191     | 0    | 0           | 191   |
| Total               | 60         | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 53      | 706     | 0       | 0       | 191     | 32   | 0           | 1041  |

## Report 2 – Treatment Summary

Beaver Island Group Mgt. Unit  
Year of Entry: 2024

Acres of Harvest

Compartment 70  
Total Compartment Acres: 1,041

Commercial Harvest -  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 198

### Cover Type by Harvest Method

|                   |       | Clearcut | Selection | Patch Clearcut | Seed Tree | Shallowwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|-------------------|-------|----------|-----------|----------------|-----------|-------------|----------|-------------------|---------|-------|-------------|
| Northern Hardwood |       | 0        | 198       | 0              | 0         | 0           | 0        | 0                 | 0       | 0     | 198         |
|                   | Total | 0        | 198       | 0              | 0         | 0           | 0        | 0                 | 0       | 0     | 198         |

### Proposed and Next Step Treatments by Method

|         |           | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|---------|-----------|---------|-----------|----------|---------|---------|-----------|------------|-------|-----------------|-------------|
| Current |           | 198     | 0         | 0        | 0       | 0       | 0         | 0          | 0     | 0               | 198         |
|         | Next Step | 0       | 0         | 198      | 0       | 0       | 395       | 0          | 0     | 0               | 593         |
| Total   |           | 198     | 0         | 198      | 0       | 0       | 395       | 0          | 0     | 0               | 790         |

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

**Proposed Treatments:**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |      |                                             |   |     |        |         |           |                                               |                   |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------|---------------------------------------------|---|-----|--------|---------|-----------|-----------------------------------------------|-------------------|-----|
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8160170017_C<br>ut   | 53.3 | 4111 - S.Maple,<br>Hard Mast<br>Association | 9 | 116 | 81-110 | Harvest | Selection | 4112 - Maple,<br>Beech, Cherry<br>Association | Cutting<br>Record | Yes |
| <p><b>Prescription Specs:</b> Patch cuts of 5 acres and less, variable shapes and sizes, focused around paper birch, aspen, and sugar maple to regenerate desirable hardwood species while enhancing forest health and wildlife habitat. Cut trees greater than 2" in Diameter at Breast Heig</p> <p><b>Next Step Treatments:</b> Monitoring, Natural Regen (Intermediate); Planting, Interplant; Monitoring, Natural Regen (Intermediate)</p> <p><b>Acceptable Regen:</b> Acceptable regeneration in each gap will meet minimum stocking requirements for mixed hardwood, not to exceed 40% beech. Regeneration may take 5-10 years to adequately regenerate.</p> <p><b>Other Comment:</b> Consider multiple landing locations and skid trails to prevent rutting, depending on harvest timeline.<br/>Consider placement of deer exclosures in harvest gaps to monitor regeneration.<br/>Protect the integrity of any trail(s) or road(s) affected by this trea</p> <p><b>Site Condition:</b></p> <p><b>Proposed Start Date:</b> 10/01/2025</p> |                      |      |                                             |   |     |        |         |           |                                               |                   |     |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8160170017_C<br>utx  | 49.7 | 4111 - S.Maple,<br>Hard Mast<br>Association | 9 | 116 | 81-110 | Harvest | Selection | 4112 - Maple,<br>Beech, Cherry<br>Association | Cutting<br>Record | Yes |
| <p><b>Prescription Specs:</b> Patch cuts of 5 acres and less, variable shapes and sizes, focused around paper birch, aspen, and sugar maple to regenerate desirable hardwood species while enhancing forest health and wildlife habitat. Cut trees greater than 2" in Diameter at Breast Heig</p> <p><b>Next Step Treatments:</b> Monitoring, Natural Regen (Intermediate); Planting, Interplant; Monitoring, Natural Regen (Intermediate)</p> <p><b>Acceptable Regen:</b> Acceptable regeneration in each gap will meet minimum stocking requirements for mixed hardwood, not to exceed 40% beech. Regeneration may take 5-10 years to adequately regenerate.</p> <p><b>Other Comment:</b> Consider multiple landing locations and skid trails to prevent rutting, depending on harvest timeline.<br/>Consider placement of deer exclosures in harvest gaps to monitor regeneration.<br/>Protect the integrity of any trail(s) or road(s) affected by this trea</p> <p><b>Site Condition:</b></p> <p><b>Proposed Start Date:</b> 10/01/2028</p> |                      |      |                                             |   |     |        |         |           |                                               |                   |     |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8160170017_C<br>utbx | 43.7 | 4111 - S.Maple,<br>Hard Mast<br>Association | 9 | 116 | 81-110 | Harvest | Selection | 4112 - Maple,<br>Beech, Cherry<br>Association | Cutting<br>Record | Yes |
| <p><b>Prescription Specs:</b> Patch cuts of 5 acres and less, variable shapes and sizes, focused around paper birch, aspen, and sugar maple to regenerate desirable hardwood species while enhancing forest health and wildlife habitat. Cut trees greater than 2" in Diameter at Breast Heig</p> <p><b>Next Step Treatments:</b> Monitoring, Natural Regen (Intermediate); Planting, Interplant; Monitoring, Natural Regen (Intermediate)</p> <p><b>Acceptable Regen:</b> Acceptable regeneration in each gap will meet minimum stocking requirements for mixed hardwood, not to exceed 40% beech. Regeneration may take 5-10 years to adequately regenerate.</p> <p><b>Other Comment:</b> Consider multiple landing locations and skid trails to prevent rutting, depending on harvest timeline.<br/>Consider placement of deer exclosures in harvest gaps to monitor regeneration.<br/>Protect the integrity of any trail(s) or road(s) affected by this trea</p> <p><b>Site Condition:</b></p> <p><b>Proposed Start Date:</b> 10/01/2028</p> |                      |      |                                             |   |     |        |         |           |                                               |                   |     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------|---------------------------------------------|--------------|-----------|----------|----------------|------------------|-----------------------------------------------|-------------------|-------------|
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8160170017_C<br>utxxx | 50.8  | 4111 - S.Maple,<br>Hard Mast<br>Association | 9            | 116       | 81-110   | Harvest        | Selection        | 4112 - Maple,<br>Beech, Cherry<br>Association | Cutting<br>Record | Yes         |
| <p><u>Prescription Specs:</u> Patch cuts of 5 acres and less, variable shapes and sizes, focused around paper birch, aspen, and sugar maple to regenerate desirable hardwood species while enhancing forest health and wildlife habitat. Cut trees greater than 2" in Diameter at Breast Helg</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate); Planting, Interplant; Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration in each gap will meet minimum stocking requirements for mixed hardwood, not to exceed 40% beech. Regeneration may take 5-10 years to adequately regenerate.</p> <p><u>Other Comment:</u> Consider multiple landing locations and skid trails to prevent rutting, depending on harvest timeline.<br/>Consider placement of deer exclosures in harvest gaps to monitor regeneration.<br/>Protect the integrity of any trail(s) or road(s) affected by this trea</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2028</p> |                       |       |                                             |              |           |          |                |                  |                                               |                   |             |

Total Treatment 197.5  
Acreage Proposed:

# Report 4 – Site Conditions

Beaver Island Group Mgt. Unit

Katie Armstrong: Examiner

Compartment: 70

Year of Entry: 2024



## Availability for Management

| Total Acres | Acres Available | Acres Avail With Condition | Acres Not Available | Dominant Site Conditions | 3A  |
|-------------|-----------------|----------------------------|---------------------|--------------------------|-----|
| 14          | 0               | 0                          | 15                  | Bog                      | 15  |
| 32          | 0               | 0                          | 32                  | Cedar                    | 32  |
| 44          | 44              | 0                          | 0                   | Herbaceous Openland      |     |
| 12          | 0               | 0                          | 12                  | Lowland Deciduous        | 12  |
| 1           | 1               | 0                          | 0                   | Marsh                    |     |
| 731         | 355             | 0                          | 376                 | Northern Hardwood        | 376 |
| 191         | 0               | 0                          | 191                 | Tamarack                 | 191 |
| 1,024       | 400             |                            | 624                 | Total Forested Acres     | 624 |
|             | 39%             |                            | 61%                 | Relative Percent         |     |

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

| Site No.  | Dominant Site Cond Availability | Dominant Site Condition                                        | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|-----------|---------------------------------|----------------------------------------------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 1         | Unavailable                     | 3A: Conservation values incompatible with harvest at this time | 625   | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| Comments: |                                 |                                                                |       |                      |                      |                      |                      |

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

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

| Stand                | Level 4 Cover Type                    | Size Density    | Acres      | Stand Age | BA Range | Managed Site              | General Comments                                                                                                                                                                                                                                            |         |             |             |
|----------------------|---------------------------------------|-----------------|------------|-----------|----------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|-------------|
| 1                    | 4111 - S.Maple, Hard Mast Association | Sawtimber Well  | 69.5       | 117       | 81-110   | N/A                       | OPIC - FMD: Predominantly northern hardwood polestand with defective beech logs intermixed. Prescribe selection cut to remove 30 sq.ft.BA/Acre if hardwood pulp market becomes available.                                                                   |         |             |             |
| Canopy Species       |                                       | % Cover         | Size Class | DBH       | Age      | Sub-Canopy Species        |                                                                                                                                                                                                                                                             | Density | Avg. Height | Size        |
| Red Oak              |                                       | 2               |            | 18        |          | Beech                     |                                                                                                                                                                                                                                                             | Medium  | < 5 feet    | < 5 feet    |
| Paper Birch          |                                       | 5               |            | 10        |          | Beech                     |                                                                                                                                                                                                                                                             | High    | Variable    | Variable    |
| Sugar Maple          |                                       | 71              |            | 10        | 117      | Sugar Maple               |                                                                                                                                                                                                                                                             | High    | 5 - 10 feet | 5 - 10 feet |
| Hemlock              |                                       | 2               |            | 21        |          | Ironwood                  |                                                                                                                                                                                                                                                             | Low     | 5 - 10 feet | 5 - 10 feet |
| Beech                |                                       | 20              |            | 17        |          | Sugar Maple               |                                                                                                                                                                                                                                                             | Full    | < 5 feet    | < 5 feet    |
|                      |                                       |                 |            |           |          | Sugar Maple               |                                                                                                                                                                                                                                                             | Medium  | Variable    | Variable    |
|                      |                                       |                 |            |           |          |                           |                                                                                                                                                                                                                                                             |         |             |             |
| 2                    | 6120 - Lowland Cedar                  | Poletimber Well | 31.5       | 231       | 171-200  | N/A                       | OPIC - FMD: Narrow strip of white cedar. Leave for wildlife cover & food. Blowdown noted in stand.                                                                                                                                                          |         |             |             |
| Canopy Species       |                                       | % Cover         | Size Class | DBH       | Age      | Sub-Canopy Species        |                                                                                                                                                                                                                                                             | Density | Avg. Height | Size        |
| Balsam Fir           |                                       | 10              | Seedling   | 8         |          | Common Lowbush Blueberry  |                                                                                                                                                                                                                                                             | Trace   | 5 - 10 feet | 5 - 10 feet |
| White Pine           |                                       | 2               |            | 15        |          | Trailing Arbutus          |                                                                                                                                                                                                                                                             | Low     | 5 - 10 feet | 5 - 10 feet |
| Northern White Cedar |                                       | 88              |            | 9         | 231      | Balsam Fir                |                                                                                                                                                                                                                                                             | Low     | Variable    | Variable    |
|                      |                                       |                 |            |           |          | Northern White Cedar      |                                                                                                                                                                                                                                                             | Low     | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Small Cranberry           |                                                                                                                                                                                                                                                             | Medium  | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Mixed Sedges/Grasses      |                                                                                                                                                                                                                                                             | Medium  |             |             |
|                      |                                       |                 |            |           |          | Red Maple                 |                                                                                                                                                                                                                                                             | Low     | < 5 feet    | < 5 feet    |
| 4                    | 6121 - Tamarack                       | Poletimber Well | 191.2      | 144       | 81-110   | N/A                       | OPIC - FMD: Large swamp conifer stand with varied timber density due to some recent beaver flooding in the southwest corner of stand which is primarily tamarak and wetland vegetation. Notable white cedar of large diameter in northeast corner of stand. |         |             |             |
| Canopy Species       |                                       | % Cover         | Size Class | DBH       | Age      | Sub-Canopy Species        |                                                                                                                                                                                                                                                             | Density | Avg. Height | Size        |
| Northern White Cedar |                                       | 20              |            | 10        |          | Sedges                    |                                                                                                                                                                                                                                                             | Medium  |             |             |
| Tamarack             |                                       | 80              |            | 8         | 144      | Sphagnum Moss             |                                                                                                                                                                                                                                                             | Medium  |             |             |
|                      |                                       |                 |            |           |          | Michigan Holly            |                                                                                                                                                                                                                                                             | High    | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Leatherleaf               |                                                                                                                                                                                                                                                             | Medium  | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Bluejoint Reed Grass      |                                                                                                                                                                                                                                                             | Medium  |             |             |
|                      |                                       |                 |            |           |          | Smooth Highbush Blueberry |                                                                                                                                                                                                                                                             | Low     | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Tamarack                  |                                                                                                                                                                                                                                                             | Medium  | Variable    | Variable    |
|                      |                                       |                 |            |           |          | Red Maple                 |                                                                                                                                                                                                                                                             | Medium  | Variable    | Variable    |
|                      |                                       |                 |            |           |          | Yellow Birch              |                                                                                                                                                                                                                                                             | Medium  | 5 - 10 feet | 5 - 10 feet |
| 6                    | 4110 - Sugar Maple Association        | Sawtimber Well  | 162.8      | 119       | 51-80    | N/A                       | OPIC - FMD: Hardwood stand not previously logged. A selection harvest was completed in Nov.,2011.                                                                                                                                                           |         |             |             |
| Canopy Species       |                                       | % Cover         | Size Class | DBH       | Age      | Sub-Canopy Species        |                                                                                                                                                                                                                                                             | Density | Avg. Height | Size        |
| Sugar Maple          |                                       | 88              |            | 17        | 119      | Ironwood                  |                                                                                                                                                                                                                                                             | Low     | 5 - 10 feet | 5 - 10 feet |
| Beech                |                                       | 10              |            | 18        |          | Sugar Maple               |                                                                                                                                                                                                                                                             | Medium  | Variable    | Variable    |
| Hemlock              |                                       | 2               |            | 17        |          | Sugar Maple               |                                                                                                                                                                                                                                                             | High    | < 5 feet    | < 5 feet    |
|                      |                                       |                 |            |           |          | Mountain Maple            |                                                                                                                                                                                                                                                             | Low     | Variable    | Variable    |
|                      |                                       |                 |            |           |          | Beech                     |                                                                                                                                                                                                                                                             | High    | < 5 feet    | < 5 feet    |
|                      |                                       |                 |            |           |          | Sugar Maple               |                                                                                                                                                                                                                                                             | High    | 5 - 10 feet | 5 - 10 feet |
|                      |                                       |                 |            |           |          | Beech                     |                                                                                                                                                                                                                                                             | Medium  | Variable    | Variable    |
|                      |                                       |                 |            |           |          | Common Blackberry         |                                                                                                                                                                                                                                                             | Medium  | 5 - 10 feet | 5 - 10 feet |

| Stand                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Level 4 Cover Type                      | Size Density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Acres       | Stand Age          | BA Range | Managed Site | General Comments                                                                                                                                                                                                            |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|-------------|-------------|---------------------|------|--|----|---------------------------|--------------|-------------|-------------|-----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|----------|-------------|--------------------------|----------|-------------|--------------------------|------------------|----------|-------------|-------------|-------------|-------------|----------|----------|-----------------|-------|-------------|-------------|----------|-------------|--------|----------|----------|-------------------|-------|-------------|-------------|-------------|------|----------|----------|
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4112 - Maple, Beech, Cherry Association | Sawtimber Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 159.6       | 116                | 81-110   | N/A          | OPIC - FMD: SELECTIVE LOG HARVEST DONE IN LAST 20 YRS. DENSE HARDWOOD REGEN. 85% of stand is large diameter defective, Beech. The remainder of stand is Sugar Maple logs of merchantable quality.                           |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| <table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Beech</td><td>30</td><td></td><td>18</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td></td><td>18</td><td></td></tr><tr><td>Sugar Maple</td><td>58</td><td></td><td>19</td><td>116</td></tr><tr><td>Yellow Birch</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>13</td><td></td></tr></table> |                                         | Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | % Cover     | Size Class         | DBH      | Age          | Beech                                                                                                                                                                                                                       | 30             |        | 18          |             | Red Maple           | 2    |  | 18 |                           | Sugar Maple  | 58          |             | 19              | 116    | Yellow Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5           |                    | 14      |             | Paper Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                    |                    | 13       |             | <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Ironwood</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Smooth Blackberry</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>High</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table> |           | Sub-Canopy Species | Density  | Avg. Height | Size                     | Beech    | Medium      | < 5 feet                 | < 5 feet         | Ironwood | Low         | 5 - 10 feet | 5 - 10 feet | Sugar Maple | Medium   | Variable | Variable        | Beech | Medium      | Variable    | Variable | Sugar Maple | Medium | Variable | Variable | Smooth Blackberry | Trace | 5 - 10 feet | 5 - 10 feet | Sugar Maple | High | < 5 feet | < 5 feet |
| Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                               | % Cover                                 | Size Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DBH         | Age                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 18          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Red Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 18          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 58                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19          | 116                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Yellow Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Paper Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sub-Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                           | Density                                 | Avg. Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Size        |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Medium                                  | < 5 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | < 5 feet    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Ironwood                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Low                                     | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Medium                                  | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Medium                                  | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Medium                                  | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Smooth Blackberry                                                                                                                                                                                                                                                                                                                                                                                                                                            | Trace                                   | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | High                                    | < 5 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | < 5 feet    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6118 - Lowland Deciduous with Cedar     | Sawtimber Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.1        | 100                | 81-110   | N/A          | OPIC - FMD: White birch stand with some blowdown & mortality due to standing water from beaver flooding.                                                                                                                    |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| <table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>30</td><td></td><td>10</td><td></td></tr><tr><td>Paper Birch</td><td>45</td><td></td><td>12</td><td>100</td></tr><tr><td>Yellow Birch</td><td>20</td><td></td><td>12</td><td></td></tr><tr><td>Tamarack</td><td>5</td><td></td><td>12</td><td></td></tr></table>                                                      |                                         | Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | % Cover     | Size Class         | DBH      | Age          | Northern White Cedar                                                                                                                                                                                                        | 30             |        | 10          |             | Paper Birch         | 45   |  | 12 | 100                       | Yellow Birch | 20          |             | 12              |        | Tamarack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5           |                    | 12      |             | <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Common Lowbush Blueberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Arctic Raspberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Small Cranberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table> |                      | Sub-Canopy Species | Density  | Avg. Height | Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Red Maple | Low                | Variable | Variable    | Common Lowbush Blueberry | Low      | 5 - 10 feet | 5 - 10 feet              | Arctic Raspberry | Low      | 5 - 10 feet | 5 - 10 feet | Balsam Fir  | Medium      | Variable | Variable | Small Cranberry | Low   | 5 - 10 feet | 5 - 10 feet |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                               | % Cover                                 | Size Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DBH         | Age                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Northern White Cedar                                                                                                                                                                                                                                                                                                                                                                                                                                         | 30                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Paper Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12          | 100                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Yellow Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Tamarack                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sub-Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                           | Density                                 | Avg. Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Size        |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Red Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Low                                     | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Common Lowbush Blueberry                                                                                                                                                                                                                                                                                                                                                                                                                                     | Low                                     | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Arctic Raspberry                                                                                                                                                                                                                                                                                                                                                                                                                                             | Low                                     | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Balsam Fir                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Medium                                  | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Small Cranberry                                                                                                                                                                                                                                                                                                                                                                                                                                              | Low                                     | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4110 - Sugar Maple Association          | Sawtimber Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 41.4        | 106                | 111-140  | N/A          | OPIC - FMD: Stand is almost pure sugar maple with minor component of red maple, white birch, & beech. Prescribed for a selection crop tree release marking. Favor and protect high quality sugar maple trees 12"-14" d.b.h. |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| <table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>80</td><td></td><td>11</td><td>106</td></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Beech</td><td>15</td><td></td><td>16</td><td></td></tr></table>                                                                                                                                        |                                         | Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | % Cover     | Size Class         | DBH      | Age          | Sugar Maple                                                                                                                                                                                                                 | 80             |        | 11          | 106         | Paper Birch         | 5    |  | 10 |                           | Beech        | 15          |             | 16              |        | <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Full</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Sugar Maple</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Serviceberry (Juheberry)</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table> |             | Sub-Canopy Species | Density | Avg. Height | Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Beech                | Medium             | Variable | Variable    | Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Full      | < 5 feet           | < 5 feet | Sugar Maple | High                     | Variable | Variable    | Serviceberry (Juheberry) | Trace            | Variable | Variable    | Beech       | Medium      | < 5 feet    | < 5 feet |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                               | % Cover                                 | Size Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DBH         | Age                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11          | 106                |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Paper Birch                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16          |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sub-Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                           | Density                                 | Avg. Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Size        |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Medium                                  | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Full                                    | < 5 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | < 5 feet    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sugar Maple                                                                                                                                                                                                                                                                                                                                                                                                                                                  | High                                    | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Serviceberry (Juheberry)                                                                                                                                                                                                                                                                                                                                                                                                                                     | Trace                                   | Variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Variable    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Beech                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Medium                                  | < 5 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | < 5 feet    |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6225 - Bog                              | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14.5        |                    |          | No           | OPIC - FMD: Water flooding within bog complex.                                                                                                                                                                              |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Michigan Holly</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Phragmites (native)</td><td>High</td><td></td><td></td></tr><tr><td>Smooth Highbush Blueberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Small Cranberry</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Leatherleaf</td><td>Full</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Mixed Sedges/Grasses</td><td>High</td><td></td><td></td></tr></table> |             | Sub-Canopy Species | Density  | Avg. Height  | Size                                                                                                                                                                                                                        | Michigan Holly | Medium | 5 - 10 feet | 5 - 10 feet | Phragmites (native) | High |  |    | Smooth Highbush Blueberry | Low          | 5 - 10 feet | 5 - 10 feet | Small Cranberry | Medium | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5 - 10 feet | Leatherleaf        | Full    | 5 - 10 feet | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mixed Sedges/Grasses | High               |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Sub-Canopy Species                                                                                                                                                                                                                                                                                                                                                                                                                                           | Density                                 | Avg. Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Size        |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Michigan Holly                                                                                                                                                                                                                                                                                                                                                                                                                                               | Medium                                  | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Phragmites (native)                                                                                                                                                                                                                                                                                                                                                                                                                                          | High                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Smooth Highbush Blueberry                                                                                                                                                                                                                                                                                                                                                                                                                                    | Low                                     | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Small Cranberry                                                                                                                                                                                                                                                                                                                                                                                                                                              | Medium                                  | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Leatherleaf                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Full                                    | 5 - 10 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 - 10 feet |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |
| Mixed Sedges/Grasses                                                                                                                                                                                                                                                                                                                                                                                                                                         | High                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                    |          |              |                                                                                                                                                                                                                             |                |        |             |             |                     |      |  |    |                           |              |             |             |                 |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                    |         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                    |          |             |                          |          |             |                          |                  |          |             |             |             |             |          |          |                 |       |             |             |          |             |        |          |          |                   |       |             |             |             |      |          |          |

| Stand | Level 4 Cover Type                    | Size Density         | Acres   | Stand Age      | BA Range       | Managed Site | General Comments                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------|---------------------------------------|----------------------|---------|----------------|----------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17    | 4111 - S.Maple, Hard Mast Association | Sawtimber Well       | 314.0   | 116            | 81-110         | N/A          | OPIC - FMD: SELECT LOG HARVEST DONE ON ENTIRE STAND IN 1983. Lots of defective beech logs in stand comprises 70% of stand. The balance is 30% Sugar Maple with a minor component of White & Yellow Birch logs. Noted healthy sugar maple saps in understory.                                                                                                                                                                                                  |
|       |                                       | Canopy Species       | % Cover | Size Class     | DBH            | Age          | Eco score: 3.5-4/5.MNFI classification: mesic northern forest, Ecological reference area: Okay, but beech bark disease will soon change the eco score, Buffer Area: No, Maintenance/restoration: Not sure what could be done here, Corridor: possible corridor, Deer browse pressure: High, Thermal cover: no, Beech bark disease: Yes, present in about 50 percent of the trees, Woolly adelgid: No, Emerald ash borer: No ash trees were recorded in stand. |
|       |                                       | Paper Birch          | 10      |                | 13             |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sugar Maple          | 60      |                | 17             | 116          |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Beech                | 30      |                | 18             |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sub-Canopy Species   | Density | Avg. Height    | Size           |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Beech                | High    | < 5 feet       | < 5 feet       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sugar Maple          | Medium  | Variable       | Variable       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Beech                | High    | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sugar Maple          | High    | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sugar Maple          | Full    | < 5 feet       | < 5 feet       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Ironwood             | Low     | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Ironwood             | Low     | Variable       | Variable       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Beech                | Medium  | Variable       | Variable       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 18    | 6239 - Mixed Emergent Wetland         | None                 | 0.7     |                |                | No           | OPIC - FMD: Wetland flooding that is apart of the Miller's Marsh.                                                                                                                                                                                                                                                                                                                                                                                             |
|       |                                       | Sub-Canopy Species   | Density | Avg. Height    | Size           |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Reed Canary Grass    | Medium  |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Pussy Willow         | Trace   | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Meadowsweet          | Low     | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sedges               | High    |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Michigan Holly       | Trace   | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Red Maple            | Trace   | Variable       | Variable       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Bluejoint Reed Grass | Medium  |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 413   | 3103 - Rubus-Fern                     | None                 | 28.2    |                |                | Yes          | OPIC - FMD: Open grassy area of primarily level terrain. Old oil well clearing in northeast corner of stand. Ground cover consists of grass, bracken fern, scattered juniper shrub, white birch, hard maple, white pine and balm-of-gilead saplings. Original survey date: 7/3/2017                                                                                                                                                                           |
|       |                                       | Sub-Canopy Species   | Density | Avg. Height    | Size           |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Poverty Grass        | Low     | Not Applicable | Not Applicable |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Common Blackberry    | Low     | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Smooth Blackberry    | Low     | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Eastern Red Cedar    | Low     | 5 - 10 feet    | 5 - 10 feet    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | White Pine           | Medium  | 10 - 20 feet   | 10 - 20 feet   |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Bracken Fern         | Full    | Not Applicable | Not Applicable |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Quack Grass          | Low     | Not Applicable | Not Applicable |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Mixed Grasses        | Full    | Not Applicable | Not Applicable |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       |                                       | Sugar Maple          | Trace   | Variable       | Variable       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Stand | Level 4 Cover Type | Size Density             | Acres   | Stand Age      | BA Range | Managed Site   | General Comments                                                                                                                                                                                                                                                          |
|-------|--------------------|--------------------------|---------|----------------|----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 414   | 3103 - Rubus-Fern  | None                     | 9.6     |                |          | Yes            | OPIC - FMD: Open grassy area of primarily level terrain. Ground cover consists of grass, bracken fern, scattered juniper shrub, white birch, hard maple, white pine and balm-of-gilead saplings. Wildlife plans to do opening maintenance. Original survey date: 7/3/2017 |
|       |                    |                          |         |                |          |                |                                                                                                                                                                                                                                                                           |
|       |                    | Sub-Canopy Species       | Density | Avg. Height    |          | Size           |                                                                                                                                                                                                                                                                           |
|       |                    | Mixed Grasses            | High    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Smooth Blackberry        | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Sugar Maple              | Low     | Variable       |          | Variable       |                                                                                                                                                                                                                                                                           |
|       |                    | White Pine               | Low     | 10 - 20 feet   |          | 10 - 20 feet   |                                                                                                                                                                                                                                                                           |
|       |                    | Bracken Fern             | Full    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Creeping Juniper         | Low     | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Black Cherry             | Trace   | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Common Blackberry        | Low     | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Staghorn Sumac           | Trace   | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
| 420   | 3104 - Degraded    | None                     | 4.9     |                |          | No             | OPIC - FMD: Old camp farm clearing & adjacent banking ground. Open, grassy area. Original survey date: 7/3/2017                                                                                                                                                           |
|       |                    | Sub-Canopy Species       | Density | Avg. Height    |          | Size           |                                                                                                                                                                                                                                                                           |
|       |                    | Spotted Knapweed         | High    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Brome                    | Low     | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Mixed Grasses            | Full    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Bracken Fern             | Medium  | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Creeping Juniper         | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Poverty Grass            | Medium  | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
| 421   | 3104 - Degraded    | None                     | 1.0     |                |          | No             | OPIC - FMD: Old camp farm clearing & adjacent banking ground. Open, grassy area. Original survey date: 7/3/2017                                                                                                                                                           |
|       |                    | Sub-Canopy Species       | Density | Avg. Height    |          | Size           |                                                                                                                                                                                                                                                                           |
|       |                    | Creeping Juniper         | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Black Raspberry          | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Mixed Grasses            | Full    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Poverty Grass            | High    | Not Applicable |          | Not Applicable |                                                                                                                                                                                                                                                                           |
|       |                    | Common Blackberry        | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Sugar Maple              | Medium  | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |
|       |                    | Common Lowbush Blueberry | Low     | 5 - 10 feet    |          | 5 - 10 feet    |                                                                                                                                                                                                                                                                           |