# **Compartment Review Presentation**

**Cadillac Forest Management Unit** 

Compartment 63086 Entry Year: 2027 Acreage: 2,560

County: Missaukee

Management Area: High Sand Plains

Stand Examiner: Andrew Krugh

**Legal Description:** 

T24N, R6W, Sec. 1,2,3,10.12

#### **Identified Planning Goals:**

Vegetation management in the Manistee River Valley management area (MA) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character including the Manistee River and its tributaries, a designated natural river; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period includes continuing aspen management to maintain early successional habitat for hunting and other wildlife-related recreational opportunities; increasing regeneration of oak; focusing on balancing the red pine age class structure through final harvests and re-planting; and on improving red pine quality through partial harvests. Expected trends within this 10-year planning period are increased recreational pressure, especially on the established trails and along the Manistee River and its tributaries; an increased wildland/urban interface and a need to restore barrens communities through prescribed fire; and invasive plant control.

#### Soil and topography:

Montcalm-Grayling, Rubicon sands. Mostly level terrain with many wet areas.

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

Solid sections of state land with the exception of Horseshoe lake on the west half of section 2. This private land contains cabins and some full time residences. Limited fishing in flooded area. Hunting, ORV use and snowmobile trail are the main forms of recreation.

#### **Unique Natural Features:**

Massasauga and wood turtle potential near cannon flooding. Also listed as potential species include great blue heron, osprey, eagle and assorted turtles.

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

Woodland mounds and Late Woodland camp listed within compartment.

#### **Special Management Designations or Considerations:**

Continue to maintain age class diversity. Monitor and encourage oak regeneration where possible.

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

Big Cannon Creek is a designated stream under the Upper Manistee River State Natural Rivers Zoning. Under the Upper Manistee River Natural River Plan, Big Cannon Creek has special protection (see page 41 of the plan), where no cutting may be done closer than 100 feet from the river's edge, subject to seasonal, wetland, and topographic restrictions.

#### Wildlife Habitat Considerations:

About half of this compartment is made up of lands purchased with restricted State Game Fund, Deer Range Improvement Fund. This compartment contains Cannons Creek #2 Flooding SWMA. This area previously included a tube and dike impoundment. Numerous reptiles, amphibians, various waterfowl, and other bird species are associated with the flooding and associated wetlands now returned to natural/beaver dominated processes since the man-made dam was removed. Uplands provide valuable year-round deer habitat. Bear, bobcat, beaver, ruffed grouse, woodcock, and turkeys utilize this area. The south square mile of the east part of the compartment is part of the Eastern Massauga Rattlesnake Management area. The goal of maintaining various timber types and age classes, maintaining the impoundments, and manipulating the blueberry and shrub component associated with the grassland and upland brush type will continue to benefit a wide variety of game and non-game species. Featured species of special interest are eastern massasauga rattlesnake, American bittern, mallard, ruffed grouse, and deer. Timber sale specifications to benefit wildlife (where applicable) will include brush pile creation along lowland edges, protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (E. Victory 6/2015) (V. Richardson 2/2025)

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

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum in other areas of the State. A gravel pit is located to the north and gravel potential appears to be good on the uplands. East Norwich Field is located three miles to the east. The field has produced over 15.9 million BO and 15.7 Bcf gas from the Devonian Richfield Formation. It is in secondary recovery operations currently. There are no State lands currently leased in the Compartment

#### **Vehicle Access:**

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally. Proposed new roads or roads recommended for substantial improvement are noted below.

### **Survey Needs:**

Survey corners are established through out the compartment. The actual private lines will need to be run for sale set up.

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

Numerous motorized recreational trails are located within this compartment. The Mis-Kal route, North Missuakee ORV trail, (maximum 50" width) North Missuakee Cycle trail, Michigan Cross Country Cycle trail (MCCCT), and Snowmobile trail #6 are all located within this compartment. Trail protection specifications should be included in any timber sale potentially impacting these trails. Specifically, appropriate measures identified in DNR Policy and Procedures "32.22XX" (Best Management Practices for Forest and Wildlife Management Adjacent to Recreation Trails) should be taken into consideration when setting up timber sales within this compartment. The area also has some Wildlife Flooding areas, which provide hunting and fishing opportunities. There is also dispersed camping in the area. (T.M.N. 12/16/14)

#### **Fire Protection:**

There is some private land in the compartment which provides Urban Interface problems. There are some low areas which could cause difficult access for suppression equipment. There are some small pine areas with mixed hardwoods.

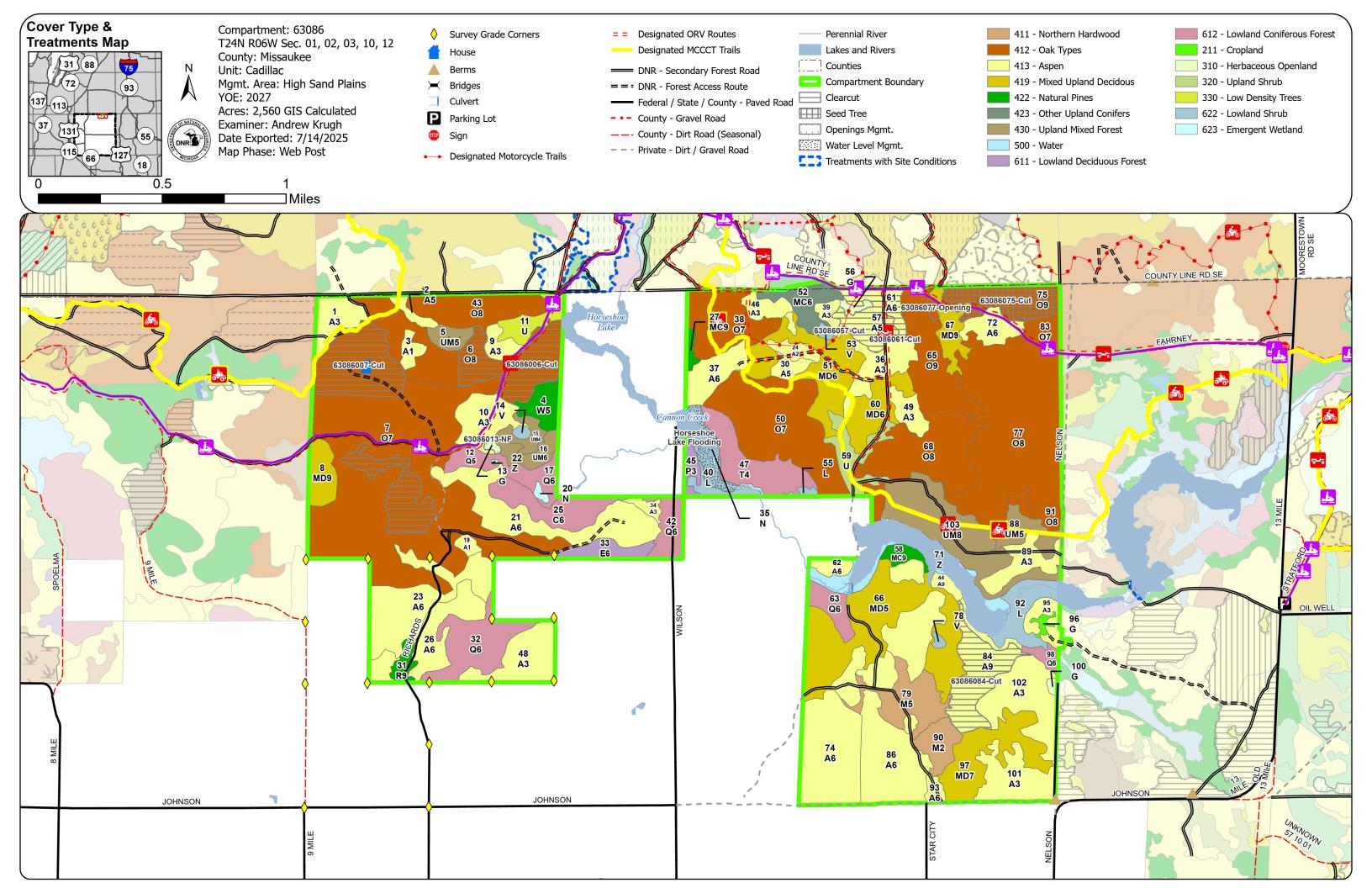
#### **Additional Compartment Information:**

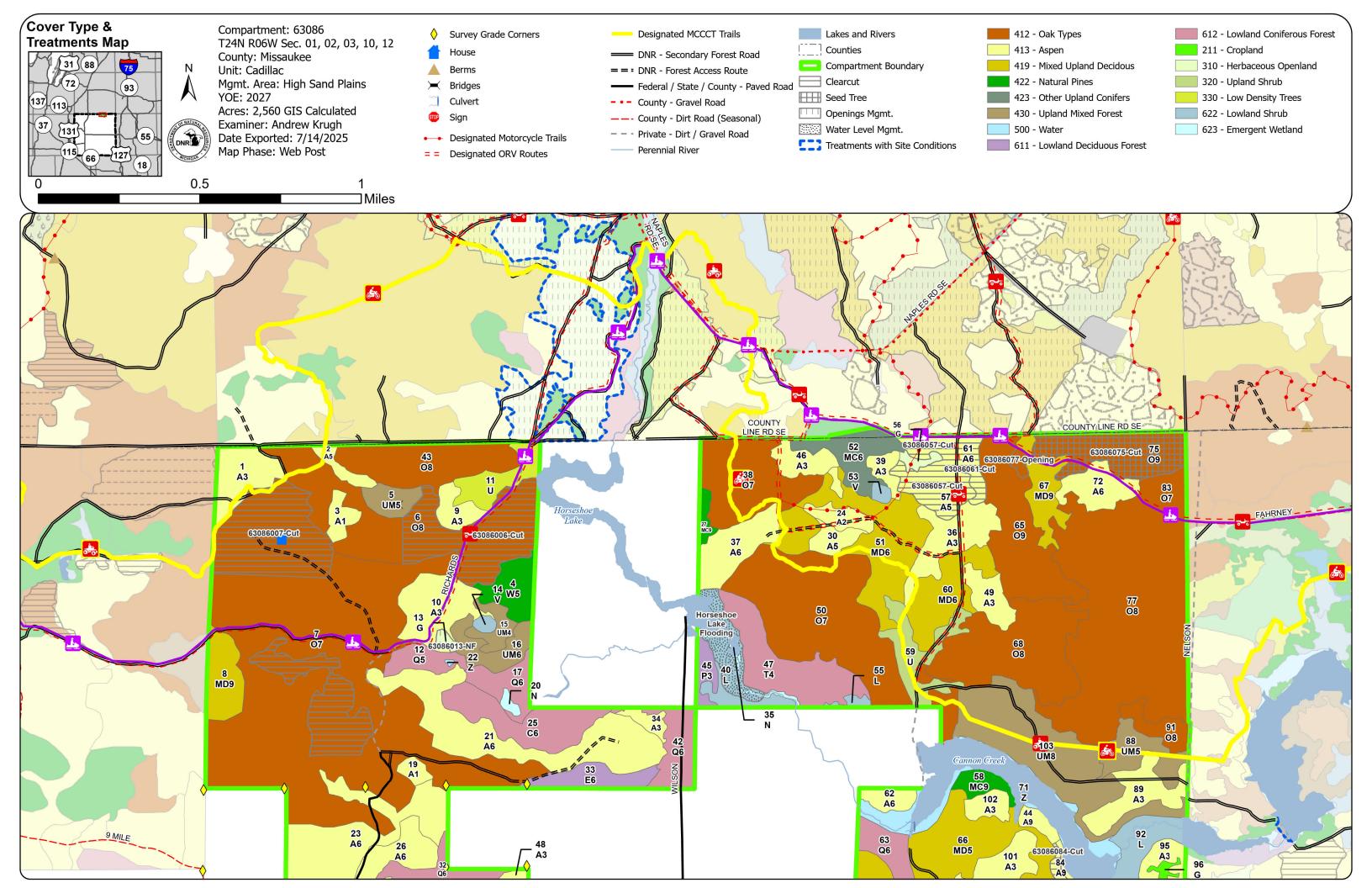
The following reports from the Inventory are attached:

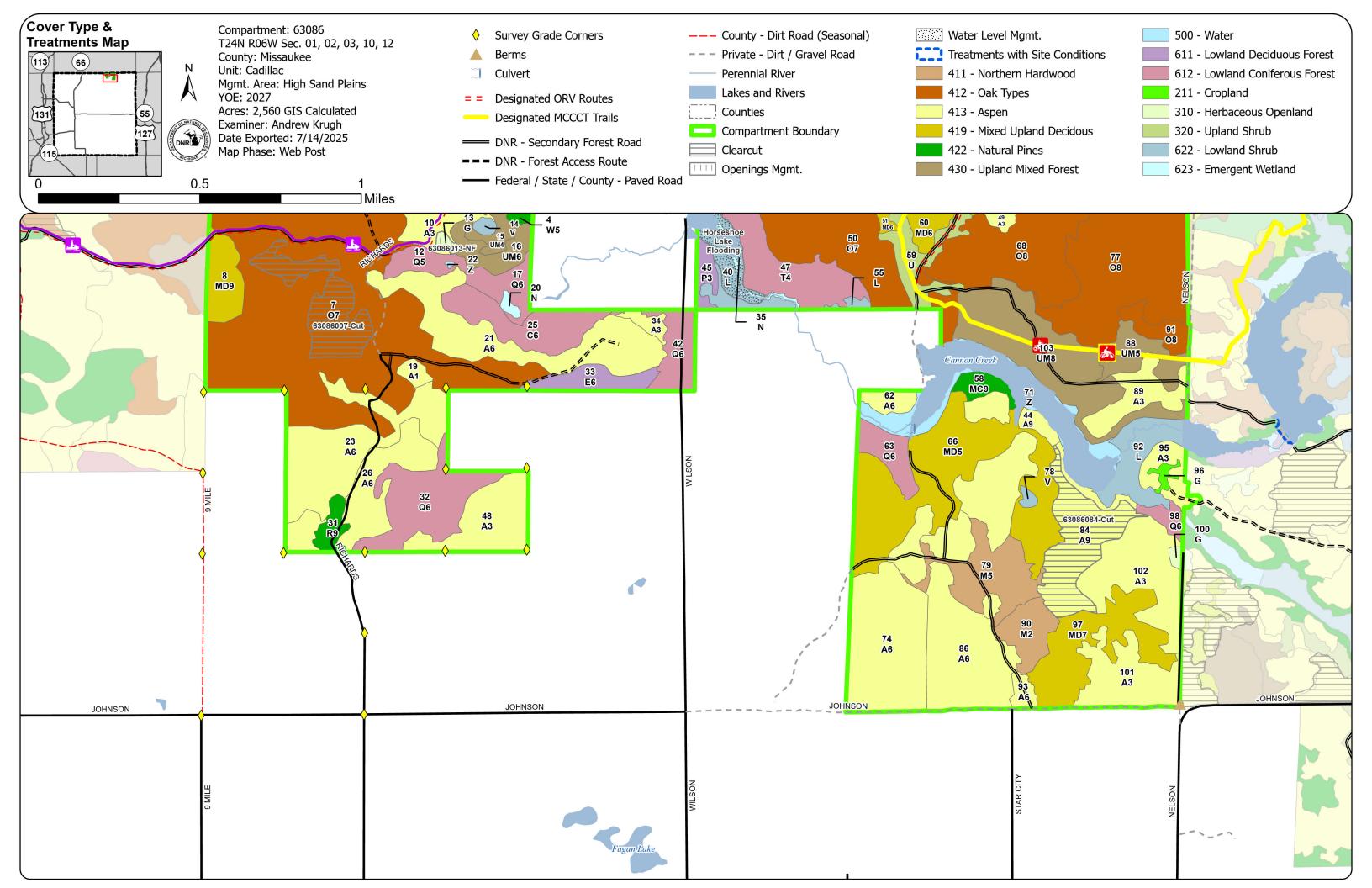
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

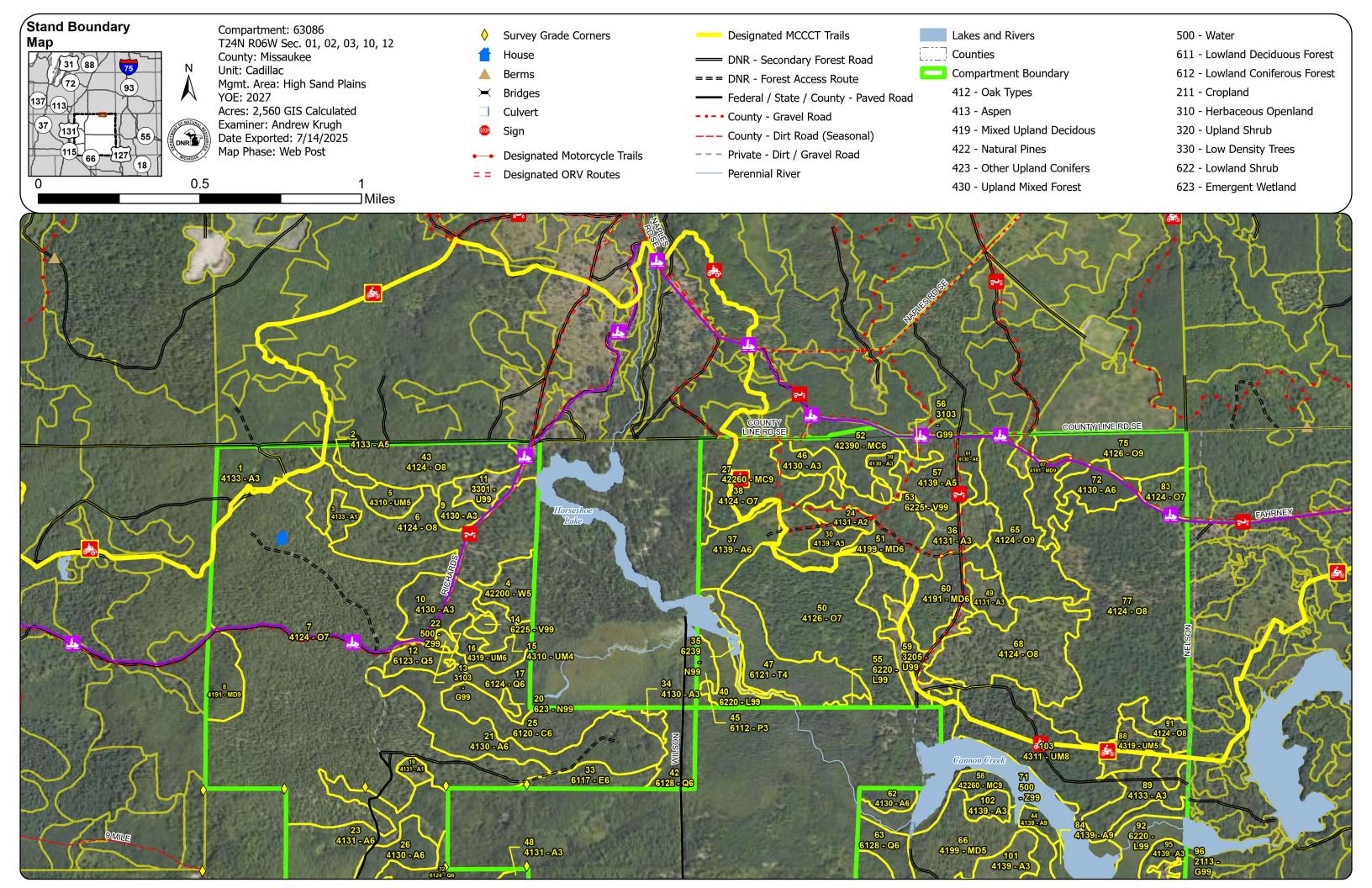
The following information is displayed, where pertinent, on the attached compartment maps:

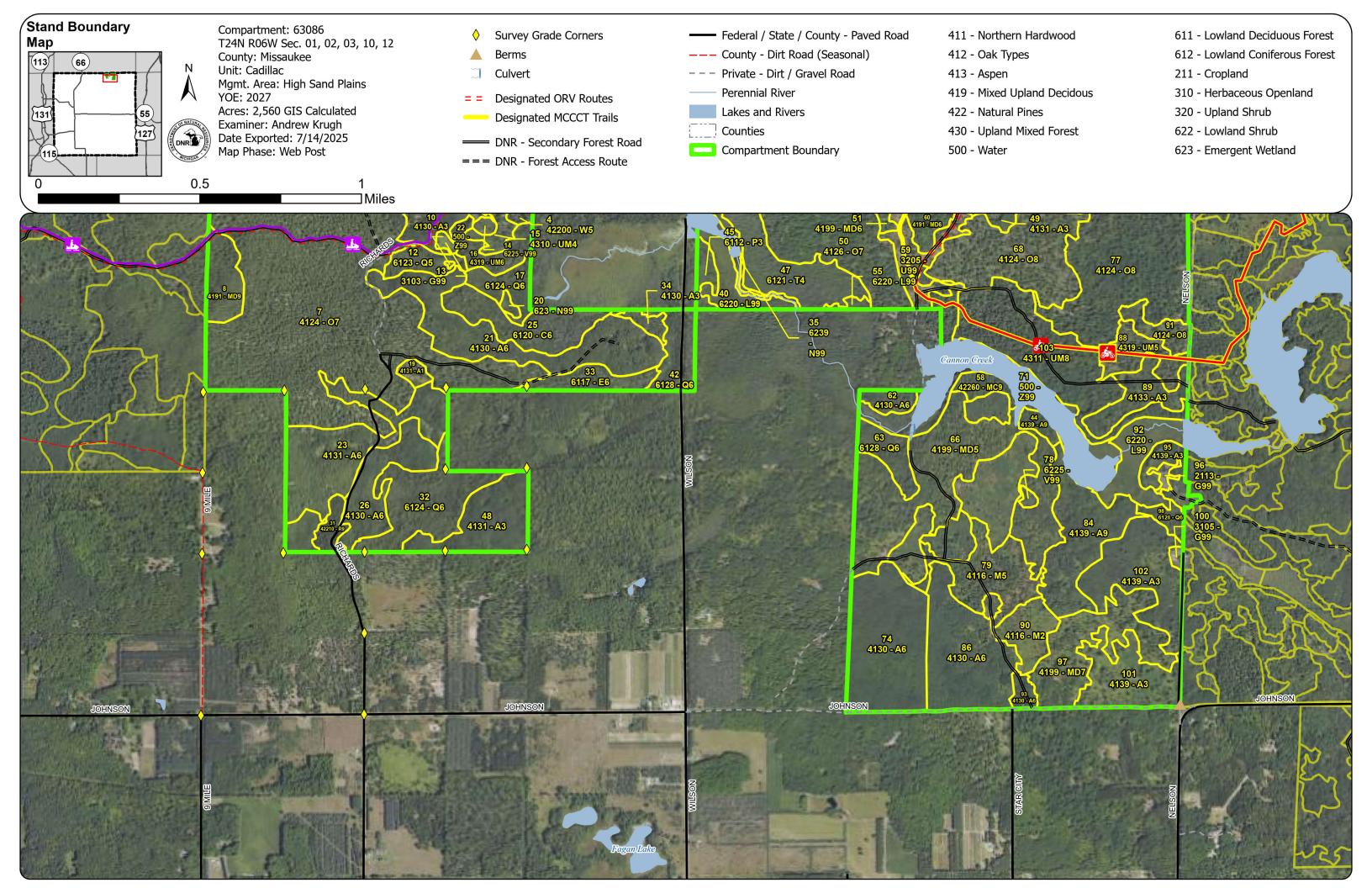
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

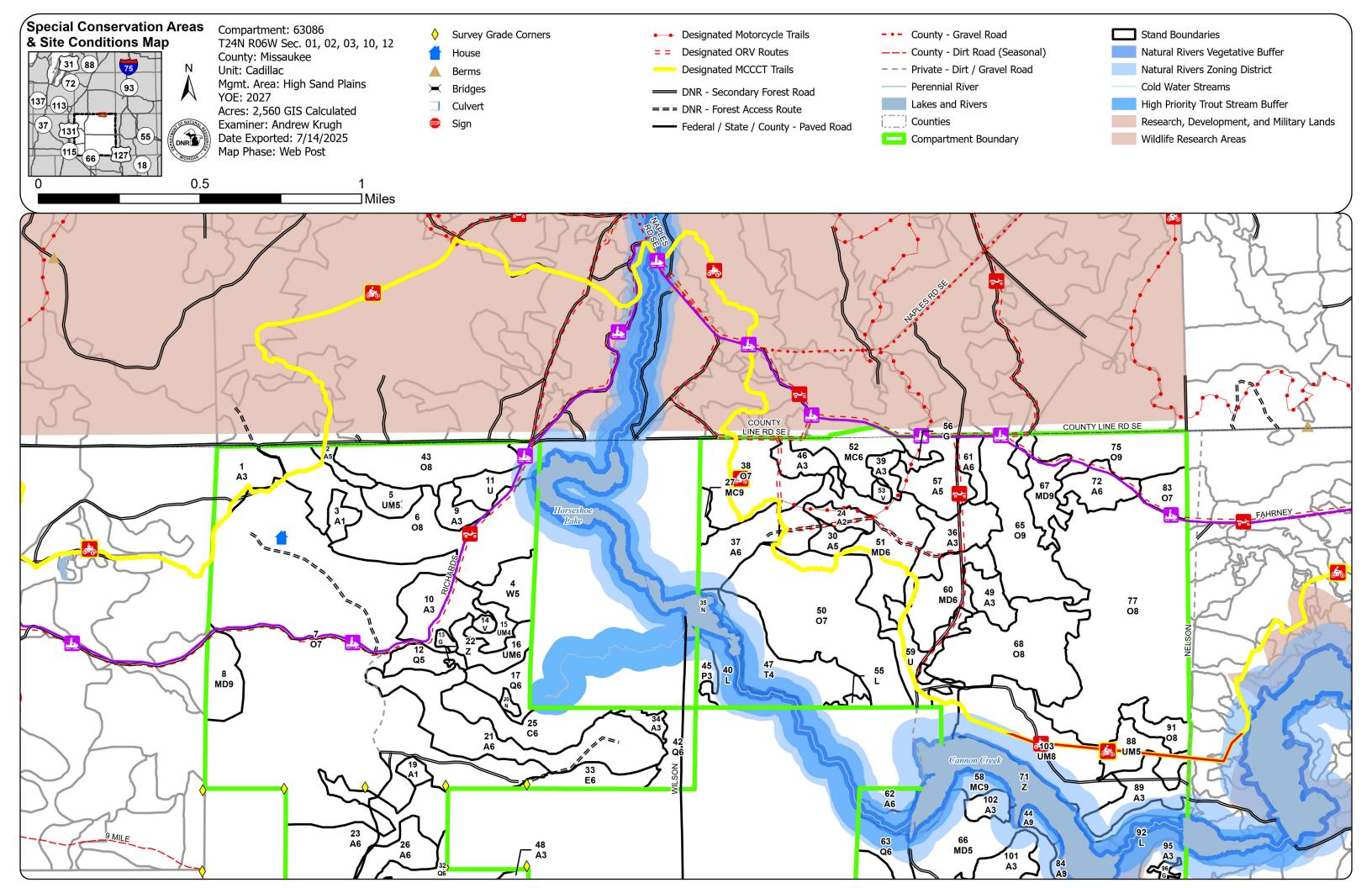


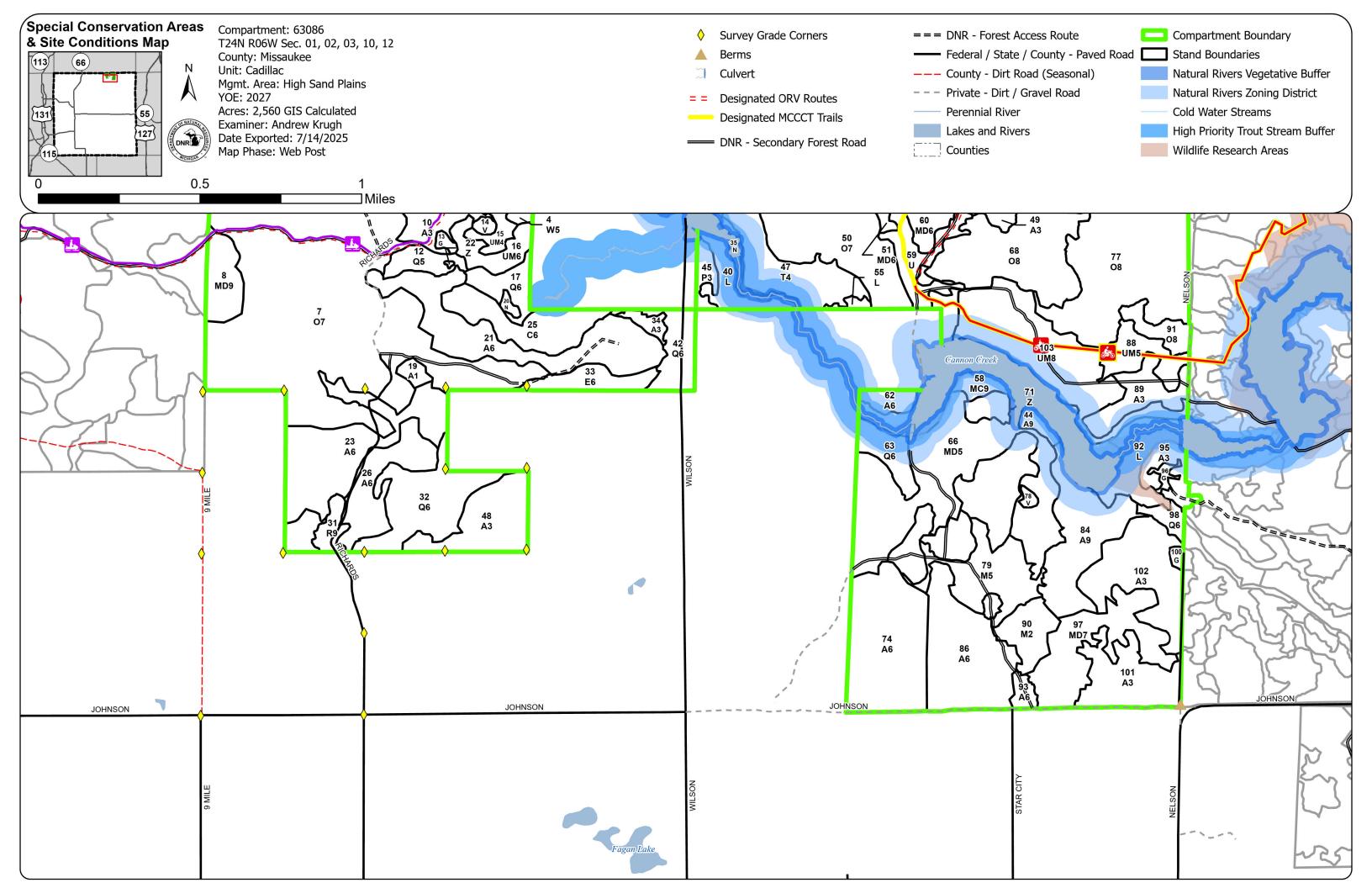












Cadillac Mgt. Unit

**Andrew Krugh: Examiner** 

Compartment 86 Year of Entry 2027

#### Age Class

|                             |            |       |           |        |      | ,    |       | ,    |            |         | ,     | ,        |           | , |          | ,        |          |          | , ,     |   |
|-----------------------------|------------|-------|-----------|--------|------|------|-------|------|------------|---------|-------|----------|-----------|---|----------|----------|----------|----------|---------|---|
|                             | /          | Ko Ko | /<br>s> / |        |      | 3 /  |       | 3/8  | /<br>8 / k |         |       | /<br>§ / | /<br>& /; |   | /<br>& / | /<br>& / | /<br>& / | St Sugar | LOG LOG | / |
|                             | <b>≠</b> § |       | , / «     | \$ / & | r, \ | \ \& | r / & | ं/ & | 5/ 8       | \$ / \$ | s / & |          |           |   |          | N. M.    |          | 8 / 3re  |         |   |
| Aspen                       | 0          | 156   | 85        | 130    | 272  | 0    | 57    | 57   | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 757     |   |
| Bog                         | 6          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 6       |   |
| Cedar                       | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 31       | 31      |   |
| Cropland                    | 2          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 2       |   |
| Herbaceous Openland         | 6          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 6       |   |
| Low-Density Trees           | 15         | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 15      |   |
| Lowland Aspen/Balsam Poplar | 0          | 0     | 7         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 7       |   |
| Lowland Conifers            | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 16   | 0          | 43      | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 45       | 104     |   |
| Lowland Deciduous           | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 15       | 15      |   |
| Lowland Shrub               | 47         | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 47      |   |
| Marsh                       | 8          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 8       |   |
| Mixed Upland Deciduous      | 0          | 0     | 0         | 0      | 0    | 0    | 154   | 27   | 64         | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 18       | 262     |   |
| Natural Mixed Pines         | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 8     | 0        | 0         | 0 | 0        | 0        | 0        | 4        | 12      |   |
| Northern Hardwood           | 0          | 17    | 0         | 0      | 0    | 0    | 35    | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 52      |   |
| Oak                         | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 21    | 877      | 0         | 0 | 0        | 0        | 0        | 63       | 960     |   |
| Red Pine                    | 0          | 0     | 0         | 0      | 0    | 0    | 7     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 7       |   |
| Tamarack                    | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 39       | 39      |   |
| Upland Conifers             | 0          | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 20       | 20      |   |
| Upland Mixed Forest         | 0          | 0     | 0         | 0      | 0    | 8    | 18    | 80   | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 14       | 120     |   |
| Upland Shrub                | 21         | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 21      |   |
| Water                       | 56         | 0     | 0         | 0      | 0    | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 56      |   |
| White Pine                  | 0          | 0     | 0         | 0      | 15   | 0    | 0     | 0    | 0          | 0       | 0     | 0        | 0         | 0 | 0        | 0        | 0        | 0        | 15      |   |
| Total                       | 161        | 173   | 92        | 130    | 287  | 8    | 271   | 180  | 64         | 43      | 29    | 877      | 0         | 0 | 0        | 0        | 0        | 249      | 2562    |   |

# **Report 2 – Treatment Summary**

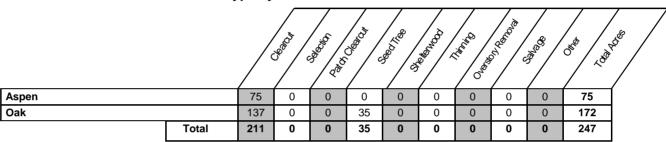
Cadillac Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

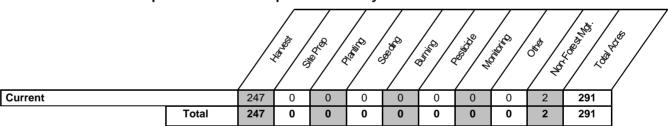
Compartment 86
Total Compartment Acres: 2,560

Commercial Harvest - 247 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

## **Cover Type by Harvest Method**



### **Proposed and Next Step Treatments by Method**



| s  |  | Cadillad   | : Mgt. Unit  |   | Repor           | t 3                         | Treatments                                    |                                | Compartmer<br>Year of Entr           |                       |                |
|--|--|--|--|---|-----------------|-----------------------------|---|--------------------------------|--------------------------------------|-----------------------|----------------|
| ••   | tment<br>ime   | Acres  | Stand<br>CoverType   | Size<br>Density                         | Stand<br>Age    | BA<br>Range                 | Treatment<br>Type                             | Treatment<br>Method            | Cover Type<br>Objective              | Age<br>Structure      | Habit<br>Cut   |
|  | eatment<br>86059-<br>ening   | 21.0   | 3205 - Mixed<br>Upland Shrub   | 99                                      |                 |                             | Openings Mgmt                                 | . Openings Mgmt.               | 310 -<br>Herbaceous<br>Openland      | Previous<br>Inventory | No             |
| Prescription Specs:  |  |  | ening/upland shruk<br>segments running   |   |                 | ving, disk                  | ing, fertilizing, pla                         | anting, cutting brus           | h, planting shrub                    | s or other mas        | t/cover        |
| Next Step<br>Treatments  | <u>:</u>   |  |  |   |                 |                             |   |                                |                                      |                       |                |
| Acceptable<br>Regen:   | -  |  |  |   |                 |                             |   |                                |                                      |                       |                |
| Other<br>Comment:  |  |  |  |   |                 |                             |   |                                |                                      |                       |                |
| Site Condit  |  |  |  |   |                 |                             |   |                                |                                      |                       |                |
| Proposed S   | Start Date:  | 10/01/20   | 026  |   |                 |                             |   |                                |                                      |                       |                |
| 84 6308  | 6084-Cut   | 41.0   | 226<br>4139 - Aspen,<br>Mixed Deciduous  | 9                                       | 65              | 111-<br>140                 | Harvest                                       | Clearcut                       | 413 - Aspen                          | Planting<br>Record    | N              |
| 84 6308<br>Prescription<br>Specs:  | 6084-Cut<br>n Final ha<br>bmps/re  | 41.0   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche  |   |                 | 140                         |   | Clearcut<br>emlock. Try and pl | ·                                    | Record                |                |
| 84 6308  Prescription Specs:  Next Step Treatments  Acceptable   | 6084-Cut<br>n Final habmps/re  | 41.0<br>arvest, cut<br>etention pu   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche  | s and grea                              | ter at db       | 140<br>h. Leave             | e all cedar and he                            |                                | ·                                    | Record                |                |
| 84 6308  Prescription Specs:  Next Step Treatments   | Final habitation bmps/re   | 41.0<br>arvest, cut<br>etention pu   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche<br>irpose.   | s and grea                              | ter at db       | 140<br>h. Leave<br>White Pi | e all cedar and he                            |                                | ·                                    | Record                |                |
| 84 6308  Prescription Specs:  Next Step Treatments  Acceptable Regen: Other  | Final habitation bmps/reconstruction bmps/reco | 41.0<br>arvest, cut<br>etention pu   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche<br>irpose.   | s and grea                              | ter at db       | 140<br>h. Leave<br>White Pi | e all cedar and he                            |                                | ·                                    | Record                |                |
| Prescription Specs:  Next Step Treatments  Acceptable Regen: Other Comment:  | Final habmps/resident  | 41.0 arvest, cut etention pute to fully strail protect   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche<br>irpose.<br>stocked Aspen, Ma  | s and grea                              | ter at db       | 140<br>h. Leave<br>White Pi | e all cedar and he                            | emlock. Try and pl             | ace retention wh                     | Record                |                |
| Prescription Specs:  Next Step Treatments:  Acceptable Regen: Other Comment: Site Condit Proposed S  | Final habmps/resident  | 41.0 arvest, cut etention put te to fully strail protect   | 4139 - Aspen,<br>Mixed Deciduous<br>all species 2 inche<br>irpose.<br>stocked Aspen, Ma  | s and grea                              | ter at db       | 140<br>h. Leave<br>White Pi | e all cedar and he                            |                                | ·                                    | Record                | r              |
| 84 6308  Prescription Specs:  Next Step Treatments  Acceptable Regen: Other Comment: Site Condit Proposed S  77 630 Op   | Final habmps/rd  Modera  Include  ion:  86077-  ening  | 41.0 arvest, cut etention put te to fully strail protect   | 4139 - Aspen, Mixed Deciduous all species 2 inche irpose.  stocked Aspen, Ma ction specs and gro  226  4124 - Red with White Oak                       | s and grea<br>aple, Oak, F<br>ouse spec | Red and and mas | 140 white Pissasaga s       | e all cedar and he ine.  Spec.  Openings Mgmt | emlock. Try and pl             | 3303 - Mixed<br>Low Density<br>Trees | Record ere mapped fo  | r              |
| 84 6308  Prescription Specs:  Next Step Treatments  Acceptable Regen: Other Comment: Site Condit Proposed S  77 630 Op  Prescription   | include  Start Date:  86077-  ening  keep as   | 41.0 arvest, cut etention put te to fully strail protect   | 4139 - Aspen, Mixed Deciduous all species 2 inche irpose.  stocked Aspen, Ma ction specs and gro  226  4124 - Red with White Oak                       | s and grea<br>aple, Oak, F<br>ouse spec | Red and and mas | 140 white Pissasaga s       | e all cedar and he ine.  Spec.  Openings Mgmt | emlock. Try and plant.         | 3303 - Mixed<br>Low Density<br>Trees | Record ere mapped fo  | r              |
| 84 6308  Prescription Specs:  Next Step Treatments:  Acceptable Regen:  Other Comment:  Site Condit Proposed Step Opposed Step Specs:  Next Step Treatments:  Ne | include  Start Date:  86077-  ening  keep as   | 41.0 arvest, cut etention put te to fully strail protection 2.4 s low densitions are strained at the strain protection at | 4139 - Aspen, Mixed Deciduous all species 2 inche irpose.  stocked Aspen, Ma ction specs and gro 226  4124 - Red with White Oak ity trees, this may i  | s and grea<br>aple, Oak, F<br>ouse spec | Red and and mas | 140 white Pissasaga s       | e all cedar and he ine.  Spec.  Openings Mgmt | emlock. Try and plant.         | 3303 - Mixed<br>Low Density<br>Trees | Record ere mapped fo  | r              |
| Regen: Other Comment: Site Condit Proposed S  77 630 Or Prescription Specs: Next Step Treatments Acceptable Acceptable Acceptable Acceptable Acceptable Acceptable Acceptable  | include  Start Date:  86077-  ening  keep as   | 41.0 arvest, cut etention put te to fully strail protection 2.4 s low densitions are strained at the strain protection at | 4139 - Aspen, Mixed Deciduous all species 2 inche irpose.  stocked Aspen, Ma ction specs and gro 226  4124 - Red with White Oak ity trees, this may i  | s and grea<br>aple, Oak, F<br>ouse spec | Red and and mas | 140 white Pissasaga s       | e all cedar and he ine.  Spec.  Openings Mgmt | emlock. Try and plant.         | 3303 - Mixed<br>Low Density<br>Trees | Record ere mapped fo  | N <sup>1</sup> |
| Regen:  Next Step Treatments  Acceptable Regen: Other Comment: Site Condit Proposed S  77 630 Op  Prescription Specs: Next Step Treatments  Acceptable Regen: Other Condition Op   | ion:  i Final habmps/re i Modera Include ion: 86077- ening i keep as i mixed labels  | 41.0 arvest, cut etention put te to fully strail protect 10/01/20 2.4 s low density  | 4139 - Aspen, Mixed Deciduous all species 2 inche irpose.  stocked Aspen, Ma ction specs and gro  226  4124 - Red with White Oak ity trees. this may i | s and grea<br>aple, Oak, F<br>ouse spec | Red and and mas | 140 white Pissasaga s       | e all cedar and he ine.  Spec.  Openings Mgmt | emlock. Try and plant.         | 3303 - Mixed<br>Low Density<br>Trees | Record ere mapped fo  | r              |

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 86 S Year of Entry: 2027 t а **Treatment** Size Stand BA **Treatment Treatment Cover Type** Acres Stand Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut Ч 75 63086075-Cut 35.3 4126 - White, Black, 9 100 51-80 Harvest Seed Tree 412 - Oak Types Planting No N. Pin Oak Record Prescription Cut all species 2 inches and greater. Leave all white pine. In addition leave 1 to 2 white oak trees per acre where present. Leave 3-10 Specs: percent retention. Next Step **Treatments:** Acceptable Moderate to fully stocked Oak, Maple, Pine, Aspen Regen: Include oak wilt spec as well as trail protection specs. Other Comment: Site Condition: Proposed Start Date: 10/01/2026 63086061-Cut 7.9 4130 - Aspen 6 Unspec Harvest Clearcut 4139 - Aspen, **Planting** No Mixed Deciduous Record ified Prescription Final harvest all species 2 inches and greater at DBH. Leave all pine 10 inches and greater at DBH. No retention due to small size. Size of stand may very depending on ground conditions when prepped. Specs: Next Step **Treatments:** Acceptable Moderate to fully stocked aspen, oak, maple, and white or red pine. Regen: **Other** Include oak wilt spec, trail protection specs and grouse spec. Comment: Site Condition: Proposed Start Date: 10/01/2026 **Planting** 63086057-Cut 25.7 4139 - Aspen. 5 55 1-50 Harvest Clearcut 4139 - Aspen. Nο Mixed Deciduous Mixed Deciduous Record Prescription Final harvest all species 2 inches and greater at DBH. Leave all pine 10 inches and greater at DBH. Leave 3-10 percent retention. Size of Specs: stand may very depending on ground conditions when prepped. Next Step Treatments: Acceptable Moderate to fully stocked aspen, oak, maple, and white or red pine. Regen: Other Include trail protection specs and grouse spec. Comment: Site Condition: Proposed Start Date: 10/01/2026 19.2 6220 - Alder/Willow Water Level Water Level 623 - Emergent Previous No Horseshoe 99 Wetland Lake Flooding Mamt. Mgmt. Inventory Prescription This area is subject to water level manipulations at the private dam on Horseshoe lake to the northwest. Specs: Next Step **Treatments:** <u>Acceptable</u> Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/01/2026

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 86 S Year of Entry: 2027 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Habitat Acres Age n Name CoverType Density Age Range Type Method Objective Structure Cut Ч 13 63086013-NF 1.8 3103 - Rubus-Fern 99 NonForestMgt Openings Mgmt. 310 -Previous No Herbaceous Inventory Openland Prescription Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush, planting shrubs or other mast/cover species. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/01/2026 63086007-Cut 86.1 4124 - Red with 7 100 1-50 Harvest Clearcut 4211 - Planted **Planting** No Red Pine Record White Oak Prescription Final harvest all species 2 inches and greater at DBH. Specs: Next Step Treatments: Acceptable Moderate to fully stocked red pine Regen: **Other** Long term objective is to convert back to an oak cover type. Include oak wilt spec as well as trail protection specs and shrub protection. Comment: Site Condition: Proposed Start Date: 10/01/2026 4124 - Red with 63086006-Cut 50.7 8 100 1-50 Harvest Clearcut 4211 - Planted **Planting** No White Oak Red Pine Record Prescription Final harvest leave three to ten percent retention. Specs: Next Step **Treatments:** Acceptable Moderate to fully stocked red pine with oak mixed in. Regen: Include oak wilt spec as well as trail protection specs and shrub protection. <u>Other</u> Comment:

Total Treatment 291.1 Acreage Proposed:

Proposed Start Date: 10/01/2026

Site Condition:

### Report 4 - Site Conditions

Cadillac Mgt. Unit

Andrew Krugh: Examiner

Compartment: 86 Year of Entry: 2027



#### **Availability for Management** Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 5C 2G 5E Acres Aspen Bog Cedar Cropland **Herbaceous Openland Low-Density Trees** Lowland Aspen/Balsam Poplar **Lowland Conifers Lowland Deciduous** Lowland Shrub Marsh Mixed Upland Deciduous Natural Mixed Pines Northern Hardwood Oak **Red Pine** Tamarack **Upland Conifers Upland Mixed Forest Upland Shrub** Water White Pine

**Total Forested Acres** 

Relative Percent

8%

\*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<br>No. |             | <b>Dominant Site Condition</b>                                | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|-------------|-------------|---|-------|----------------------|----------------------|----------------------|----------------------|
| 1           | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 18    | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
|             | Comments:   |   |       |                      |                      |                      |                      |

2,446

1,872

77%

15%

# **Report 4 – Site Conditions**

Cadillac Mgt. Unit
Andrew Krugh: Examiner



| 2 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
|---|-------------|---|----|-------------|-------------|-------------|-------------|
|   | Comments:   |   |    |             |             |             |             |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 15 | Unspecified | Unspecified | Unspecified | Unspecified |
|   | Comments:   |   |    |             |             |             |             |
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
|   | Comments:   |   |    |             |             |             |             |
| 5 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 33 | Unspecified | Unspecified | Unspecified | Unspecified |
|   | Comments:   |   |    |             |             |             |             |
| 6 | Available   | 5B: Maintain for regeneration purposes                        | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
|   | Comments:   |   |    |             |             |             |             |
| 7 | Unavailable | 5E: Long-Term Retention                                       | 5  | Unspecified | Unspecified | Unspecified | Unspecified |
|   | Comments:   |   |    |             |             |             |             |
|   |             |   |    |             |             |             |             |

# **Report 4 – Site Conditions**

Cadillac Mgt. Unit
Andrew Krugh: Examiner



| 8  | Unavailable                     | 2G: Too wet (sensitive soils, does not include                | 4          | Unspecified | Unspecified | Unspecified | Unspecified |
|----|---------------------------------|---|------------|-------------|-------------|-------------|-------------|
|    |                                 | access issues)  |            |             |             |             |             |
|    | Comments:                       |   |            |             |             |             |             |
| ľ  | Make determination              | n during stage 2 if accesable an                              | d if not t | oo wet.     |             |             |             |
| 9  | Unavailable                     | 5E: Long-Term Retention                                       | 7          | Unspecified | Unspecified | Unspecified | Unspecified |
| (  | Comments:                       |   |            |             |             |             |             |
| 10 | Unavailable                     | 2G: Too wet (sensitive soils, does not include access issues) | 6          | Unspecified | Unspecified | Unspecified | Unspecified |
| (  | Comments:                       |   |            |             |             |             |             |
| 11 | Available                       | 5B: Maintain for regeneration purposes                        | 264        | Unspecified | Unspecified | Unspecified | Unspecified |
|    | Comments:<br>Oak overstory over | regen.  |            |             |             |             |             |
| 12 | Unavailable                     | 2G: Too wet (sensitive soils, does not include access issues) | 14         | Unspecified | Unspecified | Unspecified | Unspecified |
| (  | Comments:                       |   |            |             |             |             |             |
| 14 | Unavailable                     | 2G: Too wet (sensitive soils, does not include access issues) | 39         | Unspecified | Unspecified | Unspecified | Unspecified |
| (  | Comments:                       |   |            |             |             |             |             |
|    |                                 |   |            |             |             |             |             |

# **Report 4 – Site Conditions**

Cadillac Mgt. Unit
Andrew Krugh: Examiner



| 15 | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 8  | Unspecified | Unspecified | Unspecified | Unspecified |
|----|-------------|--|----|-------------|-------------|-------------|-------------|
| C  | Comments:   |  |    |             |             |             |             |
| 17 | Unavailable | 2G: Too wet (sensitive soils, does not include                               | 43 | Unspecified | Unspecified | Unspecified | Unspecified |
|    |             | access issues)   |    |             |             |             |             |

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 |              |             |                |       |
|          |              |             |                |       |

| Stan | nd Level 4 C   | over Type    |            | Size De | nsity | Acres Stand Ag  | e BA Range  | Managed      | Site         | General Comments   |
|------|----------------|--------------|------------|---------|-------|-----------------|-------------|--------------|--------------|--|
| 1    | 4133 - Aspe    | en, Mixed P  | Pine       |         |       | 19.9 36         |             | N/           | 'A           | Some open areas. Cut in 89, getting to pole size.  |
|      | Canopy Species | % Cover      | Size Class | DBH     | Age   | Sub-Canopy Spec | ies Density | Avg. Height  | Size         |  |
|      | White Pine     | 30           | Pole       | 4       |       | White Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Maple      | 30           | Pole       | 4       |       | Red Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Bigtooth Aspen | 40           | Pole       | 4       | 36    | Bigtooth Aspen  | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      |                |              |            |         |       | Witch Hazel     | Low         | 10 - 20 feet | 10 - 20 feet |  |
| 2    | 4133 - Aspe    | en, Mixed P  | ine        |         |       | 5.4 36          | Unspecified | N/           | 'A           | Same as 1 and 3  |
|      | Canopy Species | % Cover      | Size Class | DBH     | Age   | Sub-Canopy Spec | ies Density | Avg. Height  | Size         |  |
|      | White Pine     | 30           | Pole       | 4       |       | Witch Hazel     | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Maple      | 30           | Pole       | 4       |       | White Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Bigtooth Aspen | 40           | Pole       | 4       | 36    | Red Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      |                |              |            |         |       | Bigtooth Aspen  | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| 3    | 4133 - Aspe    | en, Mixed F  | Pine       |         |       | 6.3 36          | Unspecified | N/           | 'A           | Same as 1 and 2  |
|      | Canopy Species | % Cover      | Size Class | DBH     | Age   | Sub-Canopy Spec | ies Density | Avg. Height  | Size         |  |
|      | White Pine     | 30           | Pole       | 4       |       | White Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Maple      | 30           | Pole       | 4       |       | Witch Hazel     | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Bigtooth Aspen | 40           | Pole       | 4       | 36    | Red Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      |                |              |            |         |       | Bigtooth Aspen  | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| 4    | 42200 - Nat    | ural White I | Pine       |         |       | 15.3 33         | 1-50        | N/           | 'A           | Portion of stand was cut with sale 86 mix in 2021. Overstory remove  |
|      | Canopy Species | % Cover      | Size Class | DBH     | Age   | Sub-Canopy Spec | ies Density | Avg. Height  | Size         | of larger pine. Hand cut sale.   |
|      | Red Maple      | 10           | Log        | 2       |       | Red Pine        | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Pine       | 30           | Pole       | 4       |       | White Pine      | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|      | White Pine     | 15           |            | 13      |       | Jack Pine       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | White Pine     | 45           | Sapling    | 5       | 33    | Red Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| 5    | 4310 - Pi      | ne, Oak Mi   | x          |         |       | 9.1 65          | 81-110      | N/           | 'A           | Do an overstory removal or diameter cut. Remove all log size trees marking a few mast oak to leave. Release established regen. Stan- |
|      | Canopy Species | % Cover      | Size Class | DBH     | Age   | Sub-Canopy Spec | ies Density | Avg. Height  | Size         | Indiking a few mast oak to leave. Release established regen. Stand is going to white pine.Leave stand and let it conver to pine.     |
|      | Red Maple      | 10           | Seedling   | 6       |       | Red Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Pine       | 5            |            | 10      |       | White Oak       | Low         | < 5 feet     | < 5 feet     |  |
|      | White Oak      | 5            |            | 8       |       | White Pine      | High        | >20 feet     | >20 feet     |  |
|      | White Pine     | 50           |            | 8       | 65    | Red Oak         | Low         | < 5 feet     | < 5 feet     |  |
|      | Red Oak        | 30           |            | 14      | 90    |                 |             |              |              |  |

Report 7 – Stands

Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site General Comments** 4124 - Red with White Oak 88.6 100 1-50 N/A Treated with sale 63-047-07-01 Residual oak looks healthy. 6 **DBH Age** Size **Canopy Species** % Cover Size Class **Sub-Canopy Species Density** Ava. Heiaht Black/Red (Hybrid) Oak 10 90 White Oak Low < 5 feet < 5 feet 20 20 12 5 - 10 feet White Oak White Pine Low 5 - 10 feet Red Oak 60 12 100 Reech Low 5 - 10 feet 5 - 10 feet Red Oak Low < 5 feet < 5 feet Red Maple Iow 5 - 10 feet 5 - 10 feet 5 - 10 feet Bigtooth Aspen Iow 5 - 10 feet 7 4124 - Red with White Oak Sawtimber Poor 349.9 100 1-50 N/A Regen finally coming in with some patches of solid oak. Overstory residual oak still looks healthy with a few being stolen for firewood. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Ava. Heiaht Size Look at an overstory removal next time when regen is well established. White Oak 30 12 White Oak Low < 5 feet < 5 feet Red Oak 70 14 100 White Pine Low Variable Variable Witch Hazel 5 - 10 feet 5 - 10 feet Low Red Oak Low < 5 feet < 5 feet 10 - 20 feet 10 - 20 feet Red Maple Medium 10 - 20 feet 10 - 20 feet Bigtooth Aspen Low 4191 - Mixed Upland Deciduous with 17.7 95 N/A Do an oak shelterwood leave 70 to 80 ba. This stand is a hillside will 8 81-110 Conifer have to build a road or skid trail in to it. May treat with adjoining compartment due to small acreage. Stand is hilly. If ever harvested **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size it may have to be a final harvest or seed tree. White Pine 30 13 Witch Hazel Low 5 - 10 feet 5 - 10 feet 12 Red Oak 45 95 White Pine High 10 - 20 feet 10 - 20 feet Red Maple 10 10 10 - 20 feet Red Maple Low 10 - 20 feet 10 10 Bigtooth Aspen 9 4130 - Aspen 8.6 14 **Immature** N/A Bottom of hill, but not wet. Treated with sale 63-043-07-01 **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 2 Black Cherry White Pine Low 5 - 10 feet 5 Loa 5 - 10 feet 5 2 Red Oak Log Black Cherry Low 5 - 10 feet 5 - 10 feet 2 30 Red Maple Log Bigtooth Aspen 60 Log 2 14 4130 - Aspen 25.8 27 Unspecified N/A Cut in 98 came back mostly solid but a few patchy spots. Scattered 10 red oak log trees left. % Cover Size Class **DBH Age Sub-Canopy Species** Size **Canopy Species** Density Avg. Height **Black Cherry** 10 Pole 3 Balsam Fir Low 5 - 10 feet 5 - 10 feet Red Oak 10 12 Red Oak 5 - 10 feet 5 - 10 feet Low Red Maple 20 Pole 3 White Pine Low 5 - 10 feet 5 - 10 feet Bigtooth Aspen 60 Pole 3 27 **Black Cherry** Low < 5 feet < 5 feet Red Maple Medium 5 - 10 feet 5 - 10 feet 5 - 10 feet Bigtooth Aspen Medium 5 - 10 feet

Compartment: 86

Year of Entry: 2027

Report 7 - Stands

| Stand | d Level 4 C         | over Type   |            | Size De | nsity | Acres    | Stand Age B  | A Range | Managed S      | Site           | General Comments  |
|-------|---------------------|-------------|------------|---------|-------|----------|--------------|---------|----------------|----------------|---|
| 11    | 3301 - Low Dens     | ity Deciduo | us Trees   |         |       | 15.1     |              |         | No             | )              | Still open but filling in with mostly white pine. Could be a wildlife |
|       |                     |             |            |         |       | Sub-Cai  | nopy Species | Density | Avg. Height    | Size           | opening with a little effort. Slight hill                             |
|       |                     |             |            |         |       | Re       | ed Oak       | Low     | >20 feet       | >20 feet       |   |
|       |                     |             |            |         |       |          | Alder        | Low     | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Che      | rry (spp.)   | Low     | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Wh       | ite Pine     | Low     | >20 feet       | >20 feet       |   |
|       |                     |             |            |         |       | Re       | d Maple      | Trace   | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Brac     | ken Fern     | Low     | Not Applicable | Not Applicable |   |
| 12    | 6123 - L            | _owland Fir |            |         |       | 10.3     | 60           | 51-80   | N/A            | 4              |   |
|       | Canopy Species      | % Cover     | Size Class | DBH     | Age   | Sub-Cai  | nopy Species | Density | Avg. Height    | Size           |   |
|       | Balsam Fir          | 50          | Seedling   | 5       | 60    | Bal      | sam Fir      | High    | < 5 feet       | < 5 feet       |   |
|       | Red Maple           | 20          | Seedling   | 5       |       | Re       | d Maple      | Medium  | 5 - 10 feet    | 5 - 10 feet    |   |
|       | Black Spruce        | 20          | Seedling   | 5       |       |          | Alder        | High    | 5 - 10 feet    | 5 - 10 feet    |   |
| No    | orthern White Cedar | 5           | Seedling   | 6       |       |          |              |         |                |                | -   |
|       | White Pine          | 5           |            | 10      |       |          |              |         |                |                |   |
| 13    | 3103 - F            | Rubus-Fern  |            |         |       | 1.8      |              |         | No             | )              |   |
|       |                     |             |            |         |       | Sub-Car  | nopy Species | Density | Avg. Height    | Size           |   |
|       |                     |             |            |         |       | Re       | ed Oak       | Low     | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Wh       | ite Pine     | Trace   | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Re       | d Maple      | Low     | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       |          | ken Fern     | High    | Not Applicable | Not Applicable |   |
|       |                     |             |            |         |       |          | Alder        | Low     | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       | Mixed Se | dges/Grasses | Medium  | Not Applicable | Not Applicable |   |
| 14    | 622                 | 5 - Bog     |            |         |       | 2.0      |              |         | No             | )              |   |
|       |                     |             |            |         |       | Sub-Cai  | nopy Species | Density | Avg. Height    | Size           |   |
|       |                     |             |            |         |       | Lea      | therleaf     | Full    | 5 - 10 feet    | 5 - 10 feet    |   |
|       |                     |             |            |         |       |          | marack       | Low     | 10 - 20 feet   | 10 - 20 feet   |   |
|       |                     |             |            |         |       |          | num Moss     | Full    | Not Applicable | Not Applicable |   |
|       |                     |             |            |         |       | Wh       | ite Pine     | Low     | 10 - 20 feet   | 10 - 20 feet   |   |
| 15    | 4310 - Pi           | ine, Oak Mi | x          |         |       | 7.7      | 45           | 1-50    | N/A            | Α              | This stand looks to have been cut or burned hot. Stumps have burneds. |
|       | Canopy Species      | % Cover     | Size Class |         | Age   |          |              |         |                |                | scars. Regen is starting to fill in.                                  |
|       | White Oak           | 15          | Seedling   | 8       |       |          |              |         |                |                |   |
|       | Red Oak             | 40          |            | 12      | 45    |          |              |         |                |                |   |
|       | White Pine          | 40          |            | 11      | 45    |          |              |         |                |                |   |
|       | Jack Pine           | 5           | Seedling   | 6       |       |          |              |         |                |                |   |

| Stand Level 4 Cover Type              |   | ;                                  | Size Density                               | Acres Stand Age B                                 | A Range                    | Managed S                  | Site   | General Comments   |  |
|---------------------------------------|---|------------------------------------|--|---|----------------------------|----------------------------|--|--|--|
| 4319 - Mixed                          | Upland Fo   | prest                              |  | 14.1 75   | 51-80                      | N/A                        | <b>A</b>   |  |  |
| Canopy Species                        | % Cover   | Size Class                         | DBH Age                                    | Sub-Canopy Species                                | Density                    | Avg. Height                | Size   |  |  |
| White Oak                             | 10  |                                    | 8  | White Oak   | Medium                     | 10 - 20 feet               | 10 - 20 feet   |  |  |
| Balsam Fir                            | 10  | Seedling                           | 6  | Balsam Fir  | Medium                     | 5 - 10 feet                | 5 - 10 feet  |  |  |
| Red Maple                             | 10  |                                    | 8  | Red Oak   | Medium                     | 10 - 20 feet               | 10 - 20 feet   |  |  |
| Bigtooth Aspen                        | 10  |                                    | 8  |   |                            |                            |  |  |  |
| White Pine                            | 10  |                                    | 8  |   |                            |                            |  |  |  |
| Red Oak                               | 20  |                                    | 12 75                                      |   |                            |                            |  |  |  |
| White Spruce                          | 20  | Seedling                           | 8  |   |                            |                            |  |  |  |
| Black Spruce                          | 10  |                                    | 8  |   |                            |                            |  |  |  |
| 6124 - Lowla                          | and Spruce  | -Fir                               |  | 13.2 85   | 51-80                      | N/A                        | 4  | Very wet, low coniferious, deer yard area. High amount of Balsar   |  |
| Canopy Species                        | % Cover   | Size Class                         | DBH Age                                    | Sub-Canopy Species                                | Density                    | Avg. Height                | Size   | spruce   |  |
| White Pine                            | 10  |                                    | 10   | Red Maple   | Medium                     | 5 - 10 feet                | 5 - 10 feet  |  |  |
| Red Maple                             | 10  |                                    | 8  | Balsam Fir  | Full                       | 5 - 10 feet                | 5 - 10 feet  |  |  |
| Balsam Fir                            | 20  | Pole                               | 4  | Alder   | Medium                     | 5 - 10 feet                | 5 - 10 feet  |  |  |
| Tamarack                              | 20  | Sapling                            | 6  | Black Spruce                                      | High                       | 5 - 10 feet                | 5 - 10 feet  |  |  |
| Black Spruce                          | 30  | Seedling                           | 9 85                                       |   |                            |                            |  |  |  |
| thern White Cedar                     | 10  | Seedling                           | 8  |   |                            |                            |  |  |  |
| 4131 - A                              | spen, Oak   |                                    |  | 3.8 28 Ur   | specified                  | N/A                        | 4  | Final harvest area from previous oak sale. Almost non forested, ju   |  |
| Canopy Species                        | % Cover   | Size Class                         | DBH Age                                    | Sub-Canopy Species                                | Density                    | Avg. Height                | Size   | enough coming back in to have canopy. Patchy regen   |  |
|                                       | 20  | Log                                | 1  | Red Oak   | Low                        | < 5 feet                   | < 5 feet   |  |  |
| · · · · · · · · · · · · · · · · · · · | 40  | Log                                |  |   |                            |                            |  |  |  |
| Bigtooth Aspen                        | 40  | Log                                | 1 28                                       |   |                            |                            |  |  |  |
| 623 - Emer                            | gent Wetla  | ind                                |  | 1.7   |                            | No                         | 1  | Creek running through, some cattails. Interesting to see cedar seedlings not browsed.                            |  |
|                                       |   |                                    |  | Sub-Canopy Species                                | Density                    | Avg. Height                | Size   | seedings not blowsed.  |  |
|                                       |   |                                    |  | Alder   | Medium                     | 5 - 10 feet                | 5 - 10 feet  |  |  |
|                                       |   |                                    |  | Northern White Cedar                              | Low                        | < 5 feet                   | < 5 feet   |  |  |
|                                       |   |                                    |  | Tamarack  | Low                        | 5 - 10 feet                | 5 - 10 feet  |  |  |
| 4130                                  | - Aspen   |                                    |  | 62.3 36 Ur  | specified                  | N/A                        | 4  | cut in 89 just getting to pole size came back solidGood looking  |  |
| Canopy Species                        | % Cover   | Size Class                         | DBH Age                                    | Sub-Canopy Species                                | Density                    | Avg. Height                | Size   | stand. It will hold until next yoe. Far east end is larger trees while majority of the stand is 4 to 6 inch dbh. |  |
| Quaking Aspen                         | 30  | Sapling                            | 6 36                                       | Black Cherry                                      | Medium                     | < 5 feet                   | < 5 feet   | , ,  |  |
| Black Cherry                          | 10  | Sapling                            | 6  | Red Maple   | Low                        | < 5 feet                   | < 5 feet   |  |  |
| Balsam Fir                            | 10  | Sapling                            | 5  | Bigtooth Aspen                                    | Low                        | < 5 feet                   | < 5 feet   |  |  |
|                                       |   | Sapling                            | 6  | White Oak   | Low                        | < 5 feet                   | < 5 feet   |  |  |
| Red Maple                             | 20  | Sapility                           | 0  |   |                            |                            |  |  |  |
| Red Maple<br>Bigtooth Aspen           | 30  | Sapling                            | 6 36                                       | Balsam Fir  | Low                        | < 5 feet                   | < 5 feet   |  |  |
|                                       | 4319 - Mixed  Canopy Species  White Oak  Balsam Fir  Red Maple  Bigtooth Aspen  White Pine  Red Oak  White Spruce  6124 - Lowla  Canopy Species  White Pine  Red Maple  Balsam Fir  Tamarack  Black Spruce  rthern White Cedar  4131 - A  Canopy Species  Red Oak  Red Maple  Bigtooth Aspen  623 - Emer  4130  Canopy Species  Quaking Aspen | 4319 - Mixed Upland Formal Species | A319 - Mixed Upland Forest  Canopy Species | Canopy Species   % Cover   Size Class   DBH   Age | A319 - Mixed Upland Forest | A319 - Mixed Upland Forest | A319 - Mixed Upland Forest   14.1   75   51-80   N//   Canopy Species   % Cover   Size Class   DBH Age | A319 - Mixed Upland Forest   14.1   75   51-80   N/A   |  |

| Stand | Level 4 C          | over Type   |            | Size De   | nsity   | Acres  | Stand Age E  | BA Range    | Managed S    | Site         | General Comments   |
|-------|--------------------|-------------|------------|-----------|---------|--------|--------------|-------------|--------------|--------------|--|
| 23    | 4131 - A           | spen, Oak   |            | Sapling   | Well    | 59.2   | 36           | 141-170     | N/A          | 4            | Cut in 89 just getting to pole size. Good mix of species. Some ope |
|       | Canopy Species     | % Cover     | Size Class | DBH       | Age     | Sub-Ca | nopy Species | Density     | Avg. Height  | Size         | areas  |
|       | White Pine         | 5           | Pole       | 4         |         | Wh     | nite Pine    | Low         | < 5 feet     | < 5 feet     |  |
|       | White Oak          | 10          | Pole       | 4         |         |        | Beech        | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Pine           | 5           | Pole       | 4         |         | R      | ed Oak       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Oak            | 10          | Sapling    | 5         |         | Re     | d Maple      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple          | 20          | Sapling    | 5         | 36      | Bigto  | oth Aspen    | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| E     | Bigtooth Aspen     | 50          | Sapling    | 5         | 36      |        |              |             |              |              | -  |
| 24    | 4131 - A           | spen, Oak   | 5          | Sapling I | /ledium | 7.3    | 5            | Immature    | N/A          | 4            | Stand final harvested in 2020.                                     |
|       | Canopy Species     | % Cover     | Size Class | DBH       | Age     |        |              |             |              |              |  |
|       | White Oak          | 10          | Log        | 1         |         |        |              |             |              |              |  |
|       | Red Oak            | 10          | Log        | 1         |         |        |              |             |              |              |  |
|       | Red Maple          | 20          | Log        | 1         |         |        |              |             |              |              |  |
| Е     | Bigtooth Aspen     | 60          | Log        | 1         | 5       |        |              |             |              |              |  |
| 25    | 6120 - Lov         | wland Ceda  | r          |           |         | 30.8   | 110          | 81-110      | N/A          | Ą            | West end not as much subcanopy and more log size trees.            |
|       | Canopy Species     | % Cover     | Size Class | DBH       | Age     | Sub-Ca | nopy Species | Density     | Avg. Height  | Size         |  |
|       | White Pine         | 5           |            | 10        |         |        | Alder        | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Balsam Fir         | 10          | Sapling    | 5         |         | Ва     | lsam Fir     | High        | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple          | 10          |            | 8         |         | Та     | marack       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Paper Birch        | 5           |            | 8         |         |        |              |             |              |              |  |
|       | Black Spruce       | 20          |            | 8         |         |        |              |             |              |              |  |
| Nort  | thern White Cedar  | 50          |            | 9         | 110     |        |              |             |              |              |  |
| 26    | 4130               | - Aspen     | ı          | Poletimb  | er Well | 37.4   | 28 L         | Inspecified | N/A          | 4            | Cut in 97 solid aspen getting to pole size                         |
|       | Canopy Species     | % Cover     | Size Class | DBH       | Age     | Sub-Ca | nopy Species | Density     | Avg. Height  | Size         |  |
| (     | Quaking Aspen      | 45          | Sapling    | 5         | 28      | Wh     | nite Pine    | Low         | < 5 feet     | < 5 feet     |  |
|       | Red Oak            | 5           | Pole       | 4         |         | Quak   | ing Aspen    | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple          | 20          | Pole       | 4         |         | R      | ed Oak       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| Е     | Bigtooth Aspen     | 30          | Sapling    | 5         | 28      | Re     | d Maple      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       |                    |             |            |           |         | Bigto  | oth Aspen    | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| 27    | 42260 - Natural Pi | ne, Mixed D | eciduous   | Sawtimb   | er Well | 3.9    | 70           | 81-110      | N/A          | 4            | Natural pine stand, I small acreage.                               |
|       | Canopy Species     | % Cover     | Size Class | DBH       | Age     | Sub-Ca | nopy Species | Density     | Avg. Height  | Size         |  |
|       | White Pine         | 30          |            | 10        |         | Re     | d Maple      | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|       | Red Maple          | 10          |            | 8         |         | Wh     | nite Pine    | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|       | White Oak          | 10          |            | 10        |         | Re     | ed Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Pine           | 40          |            | 12        | 70      |        |              | ,           |              | •            | -  |
|       | Red Oak            | 10          |            | 10        |         |        |              |             |              |              |  |

Cadillac Mgt. Unit Report 7 – Stands Compartment: 86
Year of Entry: 2027

| Stand | d Level 4 C           | over Type             |            | Size De   | nsity   | Acres     | Stand Age B     | A Range | Managed S    | Site         | General Comments  |
|-------|-----------------------|-----------------------|------------|-----------|---------|-----------|-----------------|---------|--------------|--------------|---|
| 30    | 4139 - Aspen,         | Mixed Deci            | duous Po   | oletimber | Medium  | 6.8       | 65              | 51-80   | N/A          | A            | A difficult stand to categorize. A recovering upland brush area.  |
|       | Canopy Species        | % Cover               | Size Class | DBH       | Age     | Sub-Car   | nopy Species    | Density | Avg. Height  | Size         | Mostly smallish aspen growing amidst black cherry.  |
|       | Quaking Aspen         | 20                    | Seedling   | 6         |         | Servicebe | rry (Juneberry) | Low     | 10 - 20 feet | 10 - 20 feet |   |
|       | White Oak             | 5                     | Seedling   | 6         |         | Wite      | ch Hazel        | Medium  | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Red Oak               | 10                    |            | 10        |         | Wh        | ite Oak         | Low     | 10 - 20 feet | 10 - 20 feet |   |
|       | Red Maple             | 20                    | Seedling   | 6         |         | Re        | d Maple         | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Bigtooth Aspen        | 30                    | Seedling   | 8         | 65      | Bigto     | oth Aspen       | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
|       | White Pine            | 5                     | Seedling   | 6         |         | Wh        | ite Pine        | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Black Cherry          | 10                    | Seedling   | 6         |         | Blac      | k Cherry        | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
| 31    | 42210 - Nat           | ural Red Pi           | ne         | Sawtimb   | er Well | 7.3       | 52              | 111-140 | N/A          | 4            |   |
|       | Canopy Species        | % Cover               | Size Class | DBH       | Age     | Sub-Car   | nopy Species    | Density | Avg. Height  | Size         |   |
|       | Red Pine              | 90                    |            | 10        | 52      | Re        | ed Oak          | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
|       | White Pine            | 10                    |            | 11        |         | Re        | d Maple         | Medium  | 10 - 20 feet | 10 - 20 feet |   |
|       |                       |                       |            |           |         | Bigto     | oth Aspen       | Medium  | 10 - 20 feet | 10 - 20 feet |   |
| 32    | 6124 - Lowla          | and Spruce            | -Fir       | Poletimb  | er Well | 43.2      | 80              | 141-170 | N/A          | A            | A creek runs through the stand. Majority of the cedar is along the creek corridor.                                      |
|       | Canopy Species        | % Cover               | Size Class | DBH       | Age     | Sub-Car   | nopy Species    | Density | Avg. Height  | Size         | Cleek Collidol.   |
|       | Balsam Fir            | 40                    |            | 8         | 80      | Bal       | sam Fir         | High    | 10 - 20 feet | 10 - 20 feet |   |
|       | Red Maple             | 10                    |            | 8         |         | Bla       | ack Ash         | Low     | 10 - 20 feet | 10 - 20 feet |   |
|       | Bigtooth Aspen        | 10                    |            | 8         |         | Re        | d Maple         | Medium  | 10 - 20 feet | 10 - 20 feet |   |
|       | Black Spruce          | 15                    | Seedling   | 6         |         | Ta        | g Alder         | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
| No    | orthern White Cedar   | 20                    |            | 8         |         |           |                 |         |              |              |   |
|       | Hemlock               | 5                     |            | 8         |         |           |                 |         |              |              |   |
| 33    | 6117 - Lowland<br>Con | Deciduous,<br>iferous | Mixed      |           |         | 14.6      | 85              | 1-50    | N//          | Ą            | Some low spots with humocky ground. Thick Balsam understory. few Wp super canopy. Deer yard. Some blowdown.Creek within |
|       | Canopy Species        | % Cover               | Size Class | DBH       | Age     | Sub-Car   | nopy Species    | Density | Avg. Height  | Size         | stand.  |
|       | Balsam Fir            | 20                    | Seedling   | 9         |         | Re        | d Maple         | Medium  | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Black Spruce          | 10                    | Seedling   | 7         |         |           | Alder           | Medium  | 10 - 20 feet | 10 - 20 feet |   |
| No    | orthern White Cedar   | 10                    | Seedling   | 6         |         | Е         | Beech           | Low     | < 5 feet     | < 5 feet     |   |
|       | Red Maple             | 50                    |            | 10        | 85      | Wh        | nite Oak        | Low     | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Bigtooth Aspen        | 10                    |            | 12        |         | Bal       | sam Fir         | High    | 5 - 10 feet  | 5 - 10 feet  |   |
| 34    | 4130                  | - Aspen               |            |           |         | 4.4       | 15 I            | mmature | N/A          | A            | Final harvested with sale # 008-09-02   |
|       | Canopy Species        | % Cover               | Size Class | DBH       | Age     | Sub-Car   | nopy Species    | Density | Avg. Height  | Size         |   |
|       | Red Maple             | 30                    | Log        | 2         | 11      | Re        | d Maple         | Medium  | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Balsam Fir            | 5                     | Log        | 3         |         | Bal       | sam Fir         | Medium  | 5 - 10 feet  | 5 - 10 feet  |   |
| No    | orthern White Cedar   | 5                     | Seedling   | 6         |         | Quak      | ing Aspen       | Medium  | 5 - 10 feet  | 5 - 10 feet  |   |
|       | Quaking Aspen         | 60                    | Log        | 2         | 15      |           |                 |         |              |              | =   |

Report 7 - Stands

| Stan | d Level 4 C    | over Type    |            | Size De   | ensity  | Acres  | Stand Age E                  | BA Range              | Managed S               | Site                    | General Comments   |
|------|----------------|--------------|------------|-----------|---------|--------|------------------------------|-----------------------|-------------------------|-------------------------|--|
| 35   | 6239 - Mixed E | mergent W    | etland     | Unspe     | ecifed  |        | <b>nopy Species</b><br>Alder | <b>Density</b> Medium | Avg. Height 5 - 10 feet | <b>Size</b> 5 - 10 feet | Cannon creek/flooding  |
| 36   | 4131 - A       | spen, Oak    |            | Sapling   | g Poor  | 23.5   | 5                            | Immature              | N/A                     | 4                       | Stand was final harvested in 2020. Broke up larger stand.  |
|      | Canopy Species | % Cover      | Size Class | DBH       | l Age   |        |                              |                       |                         |                         |  |
|      | Black Cherry   | 10           | Log        | 1         |         |        |                              |                       |                         |                         |  |
|      | White Oak      | 10           | Log        | 3         |         |        |                              |                       |                         |                         |  |
|      | Red Maple      | 20           | Log        | 1         |         |        |                              |                       |                         |                         |  |
|      | Bigtooth Aspen | 50           | Log        | 1         | 5       |        |                              |                       |                         |                         |  |
|      | Red Oak        | 10           | Pole       | 2         |         |        |                              |                       |                         |                         |  |
| 37   | 4139 - Aspen,  | Mixed Deci   | duous      | Poletimb  | er Well | 21.9   | 55 L                         | Inspecified           | N/A                     | Ą                       | Some areas solid aspen. East end solid black cherry.   |
|      | Canopy Species | % Cover      | Size Class | DBH       | l Age   | Sub-Ca | nopy Species                 | Density               | Avg. Height             | Size                    |  |
|      | White Oak      | 10           | Pole       | 4         |         | WI     | nite Oak                     | High                  | 5 - 10 feet             | 5 - 10 feet             |  |
|      | Black Cherry   | 20           | Pole       | 4         |         | Blad   | ck Cherry                    | Medium                | 5 - 10 feet             | 5 - 10 feet             |  |
|      | Red Maple      | 30           | Pole       | 4         |         | Re     | d Maple                      | Medium                | 5 - 10 feet             | 5 - 10 feet             |  |
|      | Bigtooth Aspen | 40           | Seedling   | 6         | 55      |        |                              |                       |                         |                         |  |
| 38   | 4124 - Red v   | with White ( | Oak        | Sawtimb   | er Poor | 43.9   | 100                          | 1-50                  | N/A                     | 4                       | Salvaged dead and dying oak. Stand was cut with sale #63-027-09-01 Compartment 86 Oak. This sale was tree length skidded and chipped |
|      | Canopy Species | % Cover      | Size Class | DBH       | l Age   | Sub-Ca | nopy Species                 | Density               | Avg. Height             | Size                    | in the winter of 2013. This stand is not regenerating as much oak as   |
|      | Red Maple      | 10           |            | 10        |         |        | ck Cherry                    | Low                   | 5 - 10 feet             | 5 - 10 feet             | stand 50 to the south it was cut with.   |
|      | Red Oak        | 40           |            | 14        | 100     | R      | ed Oak                       | Low                   | 5 - 10 feet             | 5 - 10 feet             |  |
|      | White Pine     | 10           |            | 14        |         | WI     | nite Oak                     | Low                   | 5 - 10 feet             | 5 - 10 feet             |  |
|      | White Oak      | 40           |            | 14        | 100     |        | d Maple                      | Medium                | 10 - 20 feet            | 10 - 20 feet            |  |
|      |                |              |            |           | L       | Bigto  | oth Aspen                    | Medium                | 10 - 20 feet            | 10 - 20 feet            |  |
| 39   | 4130           | - Aspen      |            | Sapling I | Medium  | 5.4    | 5                            | Immature              | N/A                     | Ą                       | Stand final harvested in 2020. Part of Aspen 86.   |
|      | Canopy Species | % Cover      | Size Class | DBF       | l Age   |        |                              |                       |                         |                         |  |
|      | Quaking Aspen  | 25           | Log        | 1         |         |        |                              |                       |                         |                         |  |
|      | Red Maple      | 30           | Log        | 1         |         |        |                              |                       |                         |                         |  |
|      | Bigtooth Aspen | 45           | Log        | 1         | 5       |        |                              |                       |                         |                         |  |
| 40   | 6220 - A       | lder/Willow  |            | Unspe     | ecifed  | 20.9   |                              |                       | No                      | )                       |  |
|      |                |              |            |           |         | Sub-Ca | nopy Species                 | Density               | Avg. Height             | Size                    |  |
|      |                |              |            |           |         |        | Alder                        | Medium                | 5 - 10 feet             | 5 - 10 feet             |  |
|      |                |              |            |           |         | Ra     | Isam Fir                     | Low                   | 5 - 10 feet             | 5 - 10 feet             |  |
|      |                |              |            |           |         | Da     | isaiii i ii                  |                       | 0 .0.000                | 0 101000                |  |

Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site General Comments** 6128 - Lowland Coniferous, Mixed 18.3 100 81-110 N/A Varies a lot. Cedar patchs, alder patchs, mix hdwd areas, old over 42 Deciduous topping aspen, alot of dead and down-hard to walk thru. All low and wet. Deer yard under cedar spots. small flowing creek near main rd. % Cover Size Class **DBH Age** Size **Canopy Species Sub-Canopy Species Density** Ava. Heiaht on east side. Balsam Fir 40 6 100 Red Maple Medium 10 - 20 feet 10 - 20 feet Seedling Rock Flm 5 Pole 4 Tag Alder Hiah 10 - 20 feet 10 - 20 feet 6 Black Ash 5 Black Cherry Low 10 - 20 feet 10 - 20 feet Seedling 8 Northern White Cedar 20 100 Balsam Fir Hiah 10 - 20 feet 10 - 20 feet 10 6 Red Maple Seedling Bigtooth Aspen 10 Seedling 6 75 4124 - Red with White Oak 40.0 43 100 1-50 N/A Treated with sale 63-047-07-01 Residual oak looks healthy. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size White Oak 12 5 - 10 feet 20 White Pine Low 5 - 10 feet Black/Red (Hybrid) Oak 20 10 90 Beech 5 - 10 feet 5 - 10 feet Low Red Oak 60 12 100 Red Oak Low < 5 feet < 5 feet 5 - 10 feet 5 - 10 feet Red Maple Low Bigtooth Aspen Low 5 - 10 feet 5 - 10 feet White Oak < 5 feet Low < 5 feet 4139 - Aspen, Mixed Deciduous 4.8 65 N/A 44 Sawtimber Well 111-140 Treat whole stand but leave some islands of smaller diameter areas. There are some open areas that naturally won't be treated. Site condition along flooding is buffer area, do not treat. 38 acres of this stand was treated with sale 63-013-17-01 now A3 stand 45 6112 - Lowland Aspen 6.7 15 Unspecified N/A Treated with sale #008-09-02 **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 1 Low < 5 feet Balsam Fir 10 Balsam Fir < 5 feet Log Red Maple 30 2 15 Red Maple Low < 5 feet < 5 feet Log 2 15 Quaking Aspen 60 Loa Bigtooth Aspen Low < 5 feet < 5 feet 46 4130 - Aspen Sapling Well 9.9 15 **Immature** N/A Cut in 2010 came back pretty solid. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size White Pine 5 Log Red Maple Low < 5 feet < 5 feet 1 5 **Black Cherry** Log Bigtooth Aspen Low < 5 feet < 5 feet Red Maple 20 1 15 Witch Hazel Low 5 - 10 feet 5 - 10 feet Log Bigtooth Aspen 70 Log 1 15 6121 - Tamarack Poletimber Poor 38.7 95 51-80 N/A Wet Tamarack/conifer sparse canopy, multi layers 47 **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 10 14 75 White Pine Alder Leaved Buckthorn Medium 5 - 10 feet 5 - 10 feet Balsam Fir 10 8 Balsam Fir High 10 - 20 feet 10 - 20 feet Seedling

5 - 10 feet

Medium

5 - 10 feet

Tamarack

80

9 95

Tamarack

Compartment: 86

Year of Entry: 2027

Report 7 - Stands Compartment: 86 Cadillac Mgt. Unit Year of Entry: 2027 **General Comments** Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site** 4131 - Aspen, Oak 36 N/A Sapling Well 33.8 141-170 Cut in 89 just getting to pole size. Good mix of species. 48 Size 5 feet

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size        |
|----------------|---------|------------|-----|-----|--------------------|---------|-------------|-------------|
| Red Maple      | 20      | Sapling    | 5   | 36  | White Pine         | Low     | < 5 feet    | < 5 feet    |
| Red Pine       | 5       | Pole       | 4   |     | Beech              | Low     | 5 - 10 feet | 5 - 10 feet |
| White Pine     | 5       | Pole       | 4   |     | Red Oak            | Low     | 5 - 10 feet | 5 - 10 feet |
| Quaking Aspen  | 50      | Sapling    | 5   | 36  | Red Maple          | Low     | 5 - 10 feet | 5 - 10 feet |
| White Oak      | 10      | Pole       | 4   |     | Bigtooth Aspen     | Low     | 5 - 10 feet | 5 - 10 feet |
| Red Oak        | 10      | Sapling    | 5   |     |                    |         |             |             |

4131 - Aspen, Oak Sapling Well 11.2 5 Immature N/A Stand was final harvested in 2020. Broke up larger stand.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|------------|-----|-----|
| White Oak      | 10      | Log        | 3   |     |
| Red Oak        | 10      | Pole       | 2   |     |
| Black Cherry   | 10      | Log        | 1   |     |
| Red Maple      | 20      | Log        | 1   |     |
| Bigtooth Aspen | 50      | Log        | 1   | 5   |

60

10

4199 - Other Mixed Upland Deciduous

|    | Canopy Species  | % Cover       | Size Class | DBH Age        | Sub-Can | opy Species | Density | Ava. Height | Si |
|----|-----------------|---------------|------------|----------------|---------|-------------|---------|-------------|----|
| 50 | 4126 - White, I | Black, N. Pir | n Oak      | Sawtimber Poor | 94.5    | 100         | 1-50    | N/A         |    |

100

14

14

Poletimber Well

 Sub-Canopy Species
 Density
 Avg. Height
 Size

 Witch Hazel
 Low
 5 - 10 feet
 5 - 10 feet

 Red Oak
 Medium
 5 - 10 feet
 5 - 10 feet

 Black Cherry
 Low
 5 - 10 feet
 5 - 10 feet

 Red Maple
 Medium
 10 - 20 feet
 10 - 20 feet

 Bigtooth Aspen
 Low
 5 - 10 feet
 5 - 10 feet

81-110

N/A

**Size**5 - 10 feet
10 - 20 feet
5 - 10 feet
5 - 10 feet

| Red Oak | 30 | 14 | Black Cherry   | Low    | 5 - 10 feet  | 5 - 10 feet  |
|---------|----|----|----------------|--------|--------------|--------------|
|         |    |    | Red Maple      | Medium | 10 - 20 feet | 10 - 20 feet |
|         |    |    | Bigtooth Aspen | Low    | 5 - 10 feet  | 5 - 10 feet  |
|         |    |    | White Oak      | Low    | 10 - 20 feet | 10 - 20 feet |

53.2

55

Recovering "upland brush." Lot of poor quality scattered black cherry ploles along with scattered aspen clones.

Stand was cut with sale #63-027-09-01 Compartment 86 Oak. This sale was tree length skidded and chipped in the winter of 2013.

|                | •       |            |     |     |                    |         |              |             |
|----------------|---------|------------|-----|-----|--------------------|---------|--------------|-------------|
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height  | Size        |
| White Oak      | 10      | Seedling   | 6   |     | Witch Hazel        | Low     | 5 - 10 feet  | 5 - 10 feet |
| White Pine     | 10      | Seedling   | 6   |     | White Pine         | Low     | 5 - 10 feet  | 5 - 10 fee  |
| Black Cherry   | 25      | Sapling    | 6   | 55  | Black Cherry       | Low     | 10 - 20 feet | 10 - 20 fee |
| Quaking Aspen  | 35      | Seedling   | 8   | 55  | White Oak          | Low     | 5 - 10 feet  | 5 - 10 fee  |
| Red Maple      | 20      | Seedling   | 8   |     |                    | 1       |              |             |

52 42390 - Mixed Non-Pine Upland Conifers Poletimber Well 20.0 100 81-110 N/A

| Canopy S       | oecies  | % Cover | Size Class | DBH | l Age | Sub-Canopy Species | Density | Avg. Height  |
|----------------|---------|---------|------------|-----|-------|--------------------|---------|--------------|
| Balsam F       | ir      | 30      | Seedling   | 6   |       | Red Maple          | Low     | 5 - 10 feet  |
| Red Map        | le      | 10      |            | 8   |       | Balsam Fir         | High    | 10 - 20 feet |
| Bigtooth As    | pen     | 10      |            | 9   |       | Tamarack           | Low     | 5 - 10 feet  |
| Black Spru     | ıce     | 5       | Seedling   | 6   |       | Alder              | High    | 5 - 10 feet  |
| Northern White | e Cedar | 40      |            | 8   | 100   |                    |         |              |
| Hemloc         | <       | 5       | Seedling   | 6   |       |                    |         |              |

Large diameter Wp with areas of alder, low, wet. Some areas of solid cedar. Ridge areas have the pine.

White Oak

White Pine

Cadillac Mgt. Unit

| Stand | d Level 4 C         | over Type   | )            | Size De | ensity   | Acres S  | tand Age B | A Range              | Managed :         | Site           | General Comments  |
|-------|---------------------|-------------|--------------|---------|----------|----------|------------|----------------------|-------------------|----------------|---|
| 53    | 6225                | 5 - Bog     |              | Unspe   | cifed    | 2.0      |            |                      | No                | 0              | Leather leaf hummocky   |
|       |                     |             |              |         |          | Sub-Cano | py Species | Density              | Avg. Height       | Size           |   |
|       |                     |             |              |         |          | Sphagnu  | um Moss    | Full                 | Not Applicable    | Not Applicable |   |
|       |                     |             |              |         |          | Leath    | erleaf     | High                 | 5 - 10 feet       | 5 - 10 feet    |   |
|       |                     |             |              |         |          | White    | Pine       | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       |                     |             |              |         |          | Dogwoo   | od (spp.)  | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
| 55    | 6220 - A            | lder/Willov | N            | Unspe   | cifed    | 2.2      |            |                      | No                | 0              |   |
|       |                     |             |              |         |          | Sub-Cano | py Species | Density              | Avg. Height       | Size           |   |
|       |                     |             |              |         |          |          | der        | High                 | 5 - 10 feet       | 5 - 10 feet    |   |
|       |                     |             |              |         |          | Willov   | w spp.     | Medium               | 5 - 10 feet       | 5 - 10 feet    |   |
| 56    | 3103 - R            | ubus-Feri   | า            | Unspe   | cifed    | 2.7      |            |                      | No                | 0              | Mostly bracken fern, some sweet fern. Could be a wildlife opening wit |
|       |                     |             |              |         | Γ        | Sub-Cano | py Species | Density              | Avg. Height       | Size           | some work.  |
|       |                     |             |              |         |          | Black    | Cherry     | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       |                     |             |              |         |          | Witch    | Hazel      | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
| 57    | 4139 - Aspen,       | Mixed Dec   | ciduous Po   | letimbe | r Mediur | n 27.2   | 55         | 1-50                 | N/                | A              |   |
|       | Canopy Species      | % Cove      | r Size Class | DBH     | l Age    | Sub-Cano | py Species | Density              | Avg. Height       | Size           |   |
|       | Red Oak             | 10          |              | 4       |          | Red I    | Maple      | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       | Red Maple           | 10          |              | 4       |          | White    | Pine       | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       | Bigtooth Aspen      | 40          | Seedling     | 6       | 55       | Black    | Cherry     | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       | White Pine          | 10          |              | 4       |          | Witch    | Hazel      | Low                  | 5 - 10 feet       | 5 - 10 feet    |   |
|       | Black Cherry        | 30          | Pole         | 4       |          |          |            |                      |                   |                |   |
| 58    | 42260 - Natural Pi  | ne, Mixed   | Deciduous S  | Sawtimb | er Well  | 7.5      | 96         | 81-110               | N/                | A              |   |
|       | Canopy Species      | % Cove      | r Size Class | DBH     | l Age    |          |            |                      |                   |                |   |
|       | White Pine          | 50          |              | 15      | 96       |          |            |                      |                   |                |   |
|       | Red Maple           | 10          |              | 12      |          |          |            |                      |                   |                |   |
|       | 1 10 G 111Gp10      |             |              | 4.5     |          |          |            |                      |                   |                |   |
|       | Red Oak             | 20          |              | 15      |          |          |            |                      |                   |                |   |
|       |                     | 20          |              | 16      |          |          |            |                      |                   |                |   |
| 59    | Red Oak             | 20          | Shrub        |         | ecifed   | 21.0     |            |                      | No                | 0              | Good candidate to make some wildlife openings. Easy access            |
| 59    | Red Oak<br>Red Pine | 20          | Shrub        | 16      | ecifed   |          | py Species | Density              | No<br>Avg. Height | o<br>Size      | Good candidate to make some wildlife openings. Easy access            |
| 59    | Red Oak<br>Red Pine | 20          | Shrub        | 16      | ecifed   |          |            | <b>Density</b> Trace |                   |                | Good candidate to make some wildlife openings. Easy access            |
| 59    | Red Oak<br>Red Pine | 20          | Shrub        | 16      | ecifed   | Sub-Cano | Pine       |                      | Avg. Height       | Size           | Good candidate to make some wildlife openings. Easy access            |

| tand | and Level 4 Co          | over Type    |            | Size De  | nsity   | Acres Stand Age BA Range |               |             | Managed S    | Site         | General Comments   |
|------|-------------------------|--------------|------------|----------|---------|--------------------------|---------------|-------------|--------------|--------------|--|
| 60   | 4191 - Mixed Upla<br>Co | and Decidu   | ous with   | Poletimb | er Well | 26.7                     | 65            | 81-110      | N//          | Ą            | A difficult stand to categorize. A recovering upland brush area.  Mostly smallish aspen growing amidst black cherry. |
|      | Canopy Species          | % Cover      | Size Class | DBH      | Age     | Sub-Can                  | opy Species   | Density     | Avg. Height  | Size         |  |
|      | White Oak               | 10           | Seedling   | 6        |         | Serviceber               | ry (Juneberry | /) Low      | 10 - 20 feet | 10 - 20 feet |  |
|      | White Pine              | 20           |            | 8        |         | Witc                     | h Hazel       | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Black Cherry            | 10           | Seedling   | 6        |         | Wh                       | ite Oak       | Low         | 10 - 20 feet | 10 - 20 feet |  |
|      | Red Oak                 | 10           |            | 10       |         | Whi                      | ite Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Maple               | 20           | Seedling   | 8        |         | Blac                     | k Cherry      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Bigtooth Aspen          | 30           |            | 9        | 65      | Red                      | d Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      |                         | -            |            |          |         | Bigtoo                   | oth Aspen     | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
| 61   | 4130                    | - Aspen      |            | Poletimb | er Well | 7.9                      | 55 l          | Jnspecified | N//          | A            | Still healthy and growing well, leave until next year of entry   |
|      | Canopy Species          | % Cover      | Size Class | DBH      | Age     | Sub-Can                  | opy Species   | Density     | Avg. Height  | Size         |  |
|      | Red Maple               | 20           | Seedling   | 6        |         | Witc                     | h Hazel       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Bigtooth Aspen          | 80           | Seedling   | 8        | 55      | Red                      | d Maple       | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|      |                         |              |            |          |         | Bigtoo                   | oth Aspen     | Low         | 10 - 20 feet | 10 - 20 feet |  |
| 62   | 4130                    | - Aspen      |            |          |         | 6.9                      | 25            | Immature    | N//          | A            | Stand treated and closed in 2000Previous data. Didn't have access to the stand.                                      |
|      | Canopy Species          | % Cover      | Size Class | DBH      | Age     |                          | opy Species   | Density     | Avg. Height  | Size         | access to the stand.   |
|      | Balsam Fir              | 10           | Pole       | 4        |         | Red                      | d Maple       | Medium      | < 5 feet     | < 5 feet     |  |
|      | Red Maple               | 20           | Pole       | 4        |         | Bigtoo                   | oth Aspen     | Medium      | < 5 feet     | < 5 feet     |  |
|      | Bigtooth Aspen          | 70           | Pole       | 4        | 25      |                          |               |             |              |              |  |
| 63   | 6128 - Lowland<br>Dec   | Coniferous,  | Mixed      | Poletimb | er Well | 13.8                     | 65            | 111-140     | N//          | Ą            |  |
|      | Canopy Species          | % Cover      | Size Class | DBH      | Age     | Sub-Can                  | opy Species   | Density     | Avg. Height  | Size         |  |
|      | Balsam Fir              | 30           | Seedling   | 8        | 65      | Bals                     | sam Fir       | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|      | Black Spruce            | 5            | Seedling   | 8        |         | Blac                     | k Cherry      | Low         | 10 - 20 feet | 10 - 20 feet |  |
| No   | rthern White Cedar      | 10           | Seedling   | 6        |         | Red                      | d Maple       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Maple               | 10           | Seedling   | 6        |         | Taç                      | g Alder       | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Paper Birch             | 5            | Seedling   | 8        |         |                          |               |             |              |              |  |
|      | Bigtooth Aspen          | 15           | Seedling   | 8        | 65      |                          |               |             |              |              |  |
|      | White Pine              | 25           |            | 16       | 85      |                          |               |             |              |              |  |
| 65   | 4124 - Red v            | with White ( | Oak        | Sawtimb  |         | 49.6                     | 100           | 51-80       | N//          | Ą            | Treated with sale #39-07 Left pole size maple along with sawlog or   |
|      | Canopy Species          | % Cover      | Size Class | DBH      | Age     | Sub-Can                  | opy Species   | Density     | Avg. Height  | Size         | marked green to leave. Good regen of aspen, maple and oak comi   |
|      | Red Maple               | 20           | Seedling   | 8        |         | Witc                     | h Hazel       | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|      | White Oak               | 35           |            | 16       |         | Wh                       | ite Oak       | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Pine                | 5            |            | 10       |         | Re                       | ed Oak        | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|      | Red Oak                 | 40           |            | 16       | 100     | Whi                      | ite Pine      | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|      | <u> </u>                |              |            |          |         | Red                      | d Maple       | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|      |                         |              |            |          |         | Bigtoc                   | oth Aspen     | Medium      | 10 - 20 feet | 10 - 20 feet |  |

Compartment: 86

Year of Entry: 2027

Year of Entry: 2027 Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site General Comments** 4199 - Other Mixed Upland Deciduous Poletimber Medium 100.8 55 51-80 N/A Very patchy. Open savannah areas 66 % Cover Size Class **DBH Age Sub-Canopy Species** Ava. Heiaht Size **Canopy Species** Density 8 5 - 10 feet Black Cherry 15 55 Witch Hazel Medium 5 - 10 feet Red Oak 25 12 White Oak Low 5 - 10 feet 5 - 10 feet Red Maple 30 Sapling 5 55 Black Cherry Medium 5 - 10 feet 5 - 10 feet 6 20 Red Maple 5 - 10 feet Bigtooth Aspen Seedling Medium 5 - 10 feet 10 4 Quaking Aspen Pole 4191 - Mixed Upland Deciduous with 75 Sawtimber Well 16.5 51-80 N/A Very mixed stand of sizes and species. Good corridor stand right 67 Conifer now between recent cuts. Treat next yoe **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size Red Oak 25 14 75 Witch Hazel Low 5 - 10 feet 5 - 10 feet 10 10 White Oak 5 - 10 feet 5 - 10 feet Quaking Aspen Low White Pine 20 Red Pine Low 10 - 20 feet 12 10 - 20 feet 5 12 White Oak Red Oak Low 10 - 20 feet 10 - 20 feet Red Maple 10 Seedling 8 White Pine 10 - 20 feet 10 - 20 feet Medium 10 8 Bigtooth Aspen Seedling Red Pine 20 10 75 4124 - Red with White Oak Sawtimber Medium 63.1 100 1-50 N/A Stand was cut in fall of 2019, Nelson Mix 63-025-17. 30 to 50 BA of 68 oak was left. **DBH Age** Size **Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Red Oak 40 12 Red Maple Low 5 - 10 feet 5 - 10 feet White Oak 60 12 100 White Oak Medium 10 - 20 feet 10 - 20 feet Red Oak 10 - 20 feet 10 - 20 feet Low White Pine Medium 5 - 10 feet 5 - 10 feet Black Cherry Low 5 - 10 feet 5 - 10 feet 500 - Water Cannons Flooding number 2. 71 Unspecifed 55.2 No Control structure removed and old stream channel restored.

**Canopy Species** 

Black Cherry

Red Maple

Bigtooth Aspen

72

4130 - Aspen

10

20

70

% Cover Size Class

Sapling

Sapling

Sapling

Poletimber Well

6

7

7

**DBH Age** 

37

15.4

37

**Sub-Canopy Species** 

Red Maple

Bigtooth Aspen

Black Cherry

Witch Hazel

Unspecified

Density

Low

Low

Low

Medium

N/A

Size

5 - 10 feet

10 - 20 feet

10 - 20 feet

5 - 10 feet

Avg. Height

5 - 10 feet

10 - 20 feet

10 - 20 feet

5 - 10 feet

Transitioning to pole size aspen stand

Compartment: 86

| Stanc | d Level 4 C     | over Type   | :          | Size De  | nsity    | Acres Stand Age I  | BA Range    | Managed S    | ite          | General Comments   |
|-------|-----------------|-------------|------------|----------|----------|--------------------|-------------|--------------|--------------|--|
| 74    | 4130            | - Aspen     | F          | Poletimb | er Well  | 65.6 37 L          | Inspecified | N/A          | A            |  |
|       | Canopy Species  | % Cover     | Size Class | DBH      | l Age    | Sub-Canopy Species | Density     | Avg. Height  | Size         |  |
|       | Red Oak         | 5           | Sapling    | 6        |          | Black Cherry       | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Black Cherry    | 15          | Sapling    | 6        |          | Beech              | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple       | 10          | Sapling    | 6        |          | Red Maple          | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Bigtooth Aspen  | 70          | Sapling    | 6        | 37       | Bigtooth Aspen     | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
| 75    | 4126 - White, E | Black, N. P | in Oak S   | Sawtimb  | er Well  | 35.3 100           | 51-80       | N/A          | ٨            | Very low quality overall. Some super canopy pine. Filling in with wp |
|       | Canopy Species  | % Cover     | Size Class | DBH      | l Age    | Sub-Canopy Species | Density     | Avg. Height  | Size         | saps.  |
|       | Red Pine        | 5           |            | 10       |          | White Pine         | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | White Pine      | 5           |            | 16       |          | Witch Hazel        | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple       | 10          |            | 10       |          | Red Maple          | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|       | Bigtooth Aspen  | 10          |            | 10       |          | Bigtooth Aspen     | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Oak         | 30          |            | 11       |          |                    | ,           |              |              | -  |
|       | White Oak       | 40          |            | 11       | 100      |                    |             |              |              |  |
| 77    | 4124 - Red v    | with White  | Oak Sa     | wtimbe   | Mediun   | n 174.5 100        | 1-50        | N/A          | ٨            | Treated with sale # 39-07 Left sawlog oak and pine. Good regen o     |
|       | Canopy Species  | % Cover     | Size Class | DBH      | l Age    | Sub-Canopy Species | Density     | Avg. Height  | Size         | maple aspen and oak coming in  |
|       | Red Oak         | 50          |            | 12       | 100      | White Pine         | Low         | 10 - 20 feet | 10 - 20 feet |  |
|       | White Oak       | 40          |            | 12       | 100      | Red Maple          | High        | 10 - 20 feet | 10 - 20 feet |  |
|       | Red Pine        | 5           |            | 12       |          | Bigtooth Aspen     | High        | 10 - 20 feet | 10 - 20 feet |  |
|       | White Pine      | 5           |            | 12       |          | Red Oak            | Medium      | 10 - 20 feet | 10 - 20 feet |  |
|       |                 |             |            |          |          | White Oak          | Medium      | 10 - 20 feet | 10 - 20 feet |  |
| 78    | 622             | 5 - Bog     |            | Unspe    | cifed    | 1.6                |             | No           | 1            | Low area in middle of aspen stand                                    |
|       |                 |             |            |          |          | Sub-Canopy Species | Density     | Avg. Height  | Size         |  |
|       |                 |             |            |          |          | Leatherleaf        | High        | 5 - 10 feet  | 5 - 10 feet  |  |
|       |                 |             |            |          |          | White Pine         | Medium      | >20 feet     | >20 feet     |  |
|       |                 |             |            |          |          | Black Spruce       | Trace       | 5 - 10 feet  | 5 - 10 feet  |  |
|       |                 |             |            |          |          | Dogwood (spp.)     | Trace       | 5 - 10 feet  | 5 - 10 feet  |  |
|       |                 |             |            |          |          | Alder              | Medium      | 5 - 10 feet  | 5 - 10 feet  |  |
| 79    | 4116 - Mixed N. | Hardwood    | - Aspen Po | letimbe  | r Mediun | n 34.6 50          | 51-80       | N/A          | ١            | Savannah type open stand with mostly black cherry trees.             |
|       | Canopy Species  | % Cover     | Size Class | DBH      | l Age    | Sub-Canopy Species | Density     | Avg. Height  | Size         |  |
|       | Quaking Aspen   | 10          | Pole       | 3        |          | Black Cherry       | Low         | < 5 feet     | < 5 feet     |  |
|       | Red Oak         | 10          |            | 18       |          | Red Maple          | Low         | < 5 feet     | < 5 feet     |  |
|       | Black Cherry    | 40          | Seedling   | 6        | 50       | Witch Hazel        | Low         | 5 - 10 feet  | 5 - 10 feet  |  |
|       | Red Maple       | 25          | Pole       | 3        |          |                    |             |              |              |  |
|       |                 |             |            |          |          |                    |             |              |              |  |

| Stand | d Level 4 C   | Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site     |   | ite   | General Comments                      |   |  |   |   |   |
|-------|---|---|---|---|---------------------------------------|---|--|---|---|---|
| 83    | 4124 - Red v  | vith White (  | Oak   | Sawtimb   | er Poor                               | 10.8 90   | 1-50   | N/A   |   | Stand recently thinned (1999 permit). Oak was thinned aspen and   |
|       | Canopy Species  | % Cover   | Size Class  | DBH   | I Age                                 | Sub-Canopy Specie   | s Density  | Avg. Height   | Size  | maple removed.  |
|       | White Oak   | 30  |   | 8   |                                       | White Oak   | Low  | 10 - 20 feet  | 10 - 20 feet  |   |
|       | Red Oak   | 70  |   | 12  | 90                                    | Red Oak   | Low  | 10 - 20 feet  | 10 - 20 feet  |   |
|       |   |   |   |   |                                       | Red Maple   | High   | 10 - 20 feet  | 10 - 20 feet  |   |
|       |   |   |   |   |                                       | Bigtooth Aspen  | Low  | 10 - 20 feet  | 10 - 20 feet  |   |
| 84    | 4139 - Aspen,   | Mixed Deci  | duous   | Sawtimb   | er Well                               | 45.6 65   | 111-140  | N/A   |   | Treat whole stand but leave some islands of smaller diameter areas  |
|       | Canopy Species  | % Cover   | Size Class  | DBH   | l Age                                 | Sub-Canopy Specie   | s Density  | Avg. Height   | Size  | There are some open areas that naturally won't be treated. Site condition along flooding is buffer area, do not treat. 38 acres of this |
|       | Quaking Aspen   | 25  |   | 10  |                                       | Witch Hazel   | Low  | 5 - 10 feet   | 5 - 10 feet   | stand was treated with sale 63-013-17-01 now A3 stand   |
|       | Red Maple   | 20  |   | 10  |                                       | Red Maple   | Medium   | 5 - 10 feet   | 5 - 10 feet   |   |
|       | Paper Birch   | 5   | Seedling  | 8   |                                       | Bigtooth Aspen  | Medium   | 5 - 10 feet   | 5 - 10 feet   |   |
|       | Bigtooth Aspen  | 30  |   | 10  | 65                                    | Black Cherry  | Low  | 5 - 10 feet   | 5 - 10 feet   |   |
|       | White Pine  | 10  |   | 12  |                                       | Hawthorn (spp.)   | Low  | 5 - 10 feet   | 5 - 10 feet   |   |
|       | Black Cherry  | 10  |   | 8   |                                       |   |  |   |   | •   |
| 86    | 4130  | - Aspen   |   | Poletimb  | er Well                               | 56.0 26   | Unspecified  | N/A   |   | Cut in 99   |
|       | Canopy Species  | % Cover   | Size Class  | DBH   | l Age                                 | Sub-Canopy Specie   | s Density  | Avg. Height   | Size  |   |
|       | Black Cherry  | 10  | Pole  | 4   |                                       | Black Cherry  | Low  | < 5 feet  | < 5 feet  |   |
|       | Red Maple   | 20  | Pole  | 4   |                                       | Red Maple   | High   | < 5 feet  | < 5 feet  |   |
|       | Bigtooth Aspen  | 70  | Pole  | 4   | 26                                    | Bigtooth Aspen  | High   | < 5 feet  | < 5 feet  |   |
|       | 1010 11   |   | root D  | ) =   = 4! ==  = =  | r Madiur                              | ~ 176 FF  | 1-50   | N/A   |   | Multiple Hawthorne beds, good for wildlife. White pine filling in.  |
| 88    | 4319 - Mixed  |   |   | oletimbe  |                                       | n 17.6 55   |  |   |   |   |
| 88    | Canopy Species  |   | Size Class  |   | l Age                                 | Sub-Canopy Specie   |  | Avg. Height   | Size  |   |
| 88    |   | <b>% Cover</b>  |   | <b>DB</b> H   | I Age                                 | Sub-Canopy Specie<br>Witch Hazel  | S Density Low  | 5 - 10 feet   | 5 - 10 feet   |   |
| 88    | Canopy Species  | % Cover   | Size Class  | DBH   |                                       | Sub-Canopy Specie   | s Density  |   |   |   |
| 88    | Canopy Species White Oak  | <b>% Cover</b>  | Size Class  | <b>DB</b> H   | I Age                                 | Sub-Canopy Specie Witch Hazel White Pine Black Cherry   | S Density Low  | 5 - 10 feet   | 5 - 10 feet   |   |
| 88    | Canopy Species White Oak White Pine   | <b>% Cover</b> 10 50  | Size Class<br>Sapling   | <b>DB</b> F 6 10  | I Age                                 | Sub-Canopy Specie<br>Witch Hazel<br>White Pine  | Low Medium   | 5 - 10 feet<br>5 - 10 feet  | 5 - 10 feet<br>5 - 10 feet  |   |
|       | Canopy Species White Oak White Pine Black Cherry  | % Cover 10 50 30 10   | Size Class Sapling Seedling Sapling   | <b>DBH</b> 6 10 8   | Age 55                                | Sub-Canopy Specie Witch Hazel White Pine Black Cherry   | Low Medium Medium  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet   | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet  | Treat leaving smaller diameter oak. Buffer flooding on  |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  | % Cover 10 50 30 10 en, Mixed P   | Size Class Sapling Seedling Sapling   | DBH   6   10   8   6     Sapling  | Age 55                                | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)   | Low Medium Medium Medium Medium  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet  | Treat leaving smaller diameter oak. Buffer flooding on south.Treated with sale 63-013-17-01   |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen 4133 - Aspe  | % Cover 10 50 30 10 en, Mixed P   | Size Class Sapling Seedling Sapling   | DBH   6   10   8   6     Sapling  | 55 SWell                              | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)   | Low Medium Medium Medium Medium  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>N/A   | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet  |   |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen 4133 - Aspe  | % Cover  10 50 30 10 en, Mixed P  | Size Class Sapling Seedling Sapling   | DBH 6 10 8 6 Sapling  | 55 SWell                              | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.) 20.4 8 Sub-Canopy Specie  | Density Low Medium Medium Medium Immature Spensity   | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>N/A<br>Avg. Height  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>Size  |   |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine   | % Cover   | Size Class Sapling Seedling Sapling   | DBH   6   10   8   6     Sapling   DBH   10   | 55 SWell                              | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple  | Density Low Medium Medium Medium Immature Density Medium Medium  | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>N/A<br>Avg. Height<br>10 - 20 feet                                      | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>Size<br>10 - 20 feet  |   |
| 88    | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry  | % Cover  10 50 30 10 en, Mixed P % Cover 20 10                            | Size Class Sapling Seedling Sapling   | DBH   6   10   8   6     Sapling   10   8   | 55 SWell                              | Sub-Canopy Specie  Witch Hazel  White Pine  Black Cherry  Hawthorn (spp.)  20.4 8  Sub-Canopy Specie  Red Maple  White Pine                       | Low Medium Medium Medium Medium Medium  Immature S Density Medium Medium   | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>N/A<br>Avg. Height<br>10 - 20 feet<br>10 - 20 feet                      | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>Size<br>10 - 20 feet<br>10 - 20 feet                       |   |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry White Oak  | % Cover  10 50 30 10 en, Mixed P % Cover 20 10 10                         | Size Class Sapling Seedling Sapling ine Size Class                            | DBH   6   10   8   6     Sapling   DBH   10   8   10  | 55 SWell                              | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple White Pine Hawthorn (spp.)             | S Density Low Medium Medium Medium Medium  Immature S Density Medium Medium Medium Medium Medium Medium                          | 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet                               | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>0 - 20 feet<br>10 - 20 feet<br>5 - 10 feet                 |   |
|       | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry White Oak Red Maple  | % Cover  10 50 30 10 en, Mixed P % Cover 20 10 10 20 40                   | Size Class Sapling Seedling Sapling ine Size Class Log Log                    | DBH   6   10   8   6     Sapling   DBH   10   8   10   1  | S S S S S S S S S S S S S S S S S S S | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple White Pine Hawthorn (spp.)             | S Density Low Medium Medium Medium Medium  Immature S Density Medium Medium Medium Medium Medium Medium                          | 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet                               | 5 - 10 feet 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet                         | Similar to stand 101. Open areas through out stand Maple is Clump   |
| 89    | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry White Oak Red Maple Bigtooth Aspen                                 | % Cover   | Size Class Sapling Seedling Sapling ine Size Class Log Log                    | DBH   6   10   8   6       Sapling   DBH   10   8   10   1   1   1     Poletimb   | S S S S S S S S S S S S S S S S S S S | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple White Pine Hawthorn (spp.) Witch Hazel | Low Medium Medium Medium Medium  Immature S Density Medium Medium Medium Medium Medium Medium Medium Medium                      | 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet                   | 5 - 10 feet 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet                         | south.Treated with sale 63-013-17-01  |
| 89    | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry White Oak Red Maple Bigtooth Aspen  4116 - Mixed N.                | % Cover   | Size Class Sapling Seedling Sapling ine Size Class Log Log Aspen              | DBH   6   10   8   6       Sapling   DBH   10   8   10   1   1   1     Poletimb   | y Well  Age  Well  Age  8             | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple White Pine Hawthorn (spp.) Witch Hazel | Low Medium Medium Medium Medium  Immature S Density Medium Medium Medium Medium Medium Medium Medium Medium                      | 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet                   | 5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>5 - 10 feet<br>10 - 20 feet<br>10 - 20 feet<br>5 - 10 feet<br>5 - 10 feet | Similar to stand 101. Open areas through out stand Maple is Clump   |
| 89    | Canopy Species White Oak White Pine Black Cherry Quaking Aspen  4133 - Aspe Canopy Species White Pine Black Cherry White Oak Red Maple Bigtooth Aspen  4116 - Mixed N. Canopy Species | % Cover  10 50 30 10 en, Mixed P % Cover 20 10 10 20 40  Hardwood % Cover | Size Class Sapling Seedling Sapling ine Size Class  Log Log -Aspen Size Class | DBH   6   10   8   6     Sapling   DBH   10   8   10   1   1     Poletimb   DBH   DBH   DBH   DBH   DBH   DBH   DBH   DBH | y Well  Age  Well  Age  8             | Sub-Canopy Specie Witch Hazel White Pine Black Cherry Hawthorn (spp.)  20.4 8  Sub-Canopy Specie Red Maple White Pine Hawthorn (spp.) Witch Hazel | Density Low Medium Medium Medium Immature S Density Medium | 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A  Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet N/A  Avg. Height | 5 - 10 feet  Size 10 - 20 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet                   | Similar to stand 101. Open areas through out stand Maple is Clump   |

Compartment: 86

Year of Entry: 2027

| Stand | d Level 4 Co        | ver Type     |            | Size De  | nsity   | Acres   | Stand Age B  | A Range | Managed S      | Site           | General Comments   |
|-------|---------------------|--------------|------------|----------|---------|---------|--------------|---------|----------------|----------------|--|
| 91    | 4124 - Red w        | vith White C | Dak Sa     | awtimbei | Medium  | 10.3    | 95           | 1-50    | N/A            | A              | Stand was cut in fall of 2019 Nelson Mix 63-025-17. 40-50 BA of oak was left on average. |
|       | Canopy Species      | % Cover      | Size Class | DBH      | Age     | Sub-Ca  | nopy Species | Density | Avg. Height    | Size           | was left off average.  |
|       | Red Oak             | 60           |            | 14       | 95      | Re      | d Maple      | Low     | 10 - 20 feet   | 10 - 20 feet   |  |
|       | White Oak           | 20           |            | 14       |         | Wite    | ch Hazel     | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
|       | White Pine          | 10           |            | 14       |         | Wh      | ite Pine     | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Red Pine            | 10           |            | 14       |         | Blac    | k Cherry     | Low     | 10 - 20 feet   | 10 - 20 feet   |  |
|       |                     |              |            |          |         | Wh      | nite Oak     | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
| 92    | 6220 - Al           | der/Willow   |            | Unspe    | cifed   | 23.9    |              |         | No             | )              | Creek runs through   |
|       |                     |              |            |          |         | Sub-Car | nopy Species | Density | Avg. Height    | Size           |  |
|       |                     |              |            |          |         | Cat     | tail spp.    | Low     | Not Applicable | Not Applicable |  |
|       |                     |              |            |          |         |         | Alder        | High    | 5 - 10 feet    | 5 - 10 feet    |  |
|       |                     |              |            |          |         | Wil     | low spp.     | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
| 93    | 4130 -              | Aspen        | F          | Poletimb | er Well | 4.7     | 37           | 111-140 | N/A            | A              | -  |
|       | Canopy Species      | % Cover      | Size Class | DBH      | Age     | Sub-Cai | nopy Species | Density | Avg. Height    | Size           |  |
|       | Black Cherry        | 20           | Seedling   | 6        |         |         | k Cherry     | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Red Maple           | 20           | Seedling   | 8        |         | Re      | d Maple      | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Bigtooth Aspen      | 60           | Seedling   | 9        | 37      | Е       | Beech        | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
|       |                     |              |            |          |         | Wite    | ch Hazel     | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
| 95    | 4139 - Aspen, N     | Mixed Decid  | duous      | Sapling  | j Well  | 12.6    | 8 I          | mmature | N/A            | A              | Kind of an edge stand along flooding also borders rye field. Cut                         |
|       | Canopy Species      | % Cover      | Size Class | DBH      | Age     | Sub-Car | nopy Species | Density | Avg. Height    | Size           | with sale 63-013-17-01   |
|       | White Pine          | 10           |            | 14       |         | Ва      | sam Fir      | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Black Cherry        | 10           |            | 8        |         | Wh      | ite Pine     | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Red Maple           | 20           | Log        | 1        |         | Re      | ed Oak       | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Bigtooth Aspen      | 50           | Log        | 1        | 8       | Re      | d Maple      | Medium  | 5 - 10 feet    | 5 - 10 feet    |  |
|       | Red Oak             | 10           |            | 12       |         | Та      | g Alder      | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
| 96    | 2113 - Fo           | rage Crops   |            | Unspe    | cifed   | 2.4     |              |         | Ye             | s              | Ruthann's rye field.   |
|       |                     |              |            |          |         | Sub-Ca  | nopy Species | Density | Avg. Height    | Size           |  |
|       |                     |              |            |          |         | Che     | rry (spp.)   | Trace   | < 5 feet       | < 5 feet       |  |
|       |                     |              |            |          |         | Rye     | (annual)     | Full    | Not Applicable | Not Applicable |  |
| 97    | 4199 - Other Mixed  | d Upland D   | eciduous S | Sawtimb  | er Poor | 46.6    | 70           | 1-50    | N/A            | A              | Open savannah type stand   |
|       | Canopy Species      | % Cover      | Size Class | DBH      | Age     | Sub-Car | nopy Species | Density | Avg. Height    | Size           |  |
|       | Red Maple           | 15           |            | 10       |         | Blac    | k Cherry     | Low     | 10 - 20 feet   | 10 - 20 feet   |  |
|       | Bigtooth Aspen      | 20           | Seedling   | 8        |         | Wite    | ch Hazel     | Low     | 5 - 10 feet    | 5 - 10 feet    |  |
|       | ck/Red (Hybrid) Oak | 40           |            | 12       | 70      | Re      | d Maple      | Low     | 10 - 20 feet   | 10 - 20 feet   |  |
| Bla   |                     |              |            |          | - 11    |         |              |         |                |                |  |

| Stand | Level 4 Co                                    | over Type |              | Size De         | ensity             | Acres \$     | Stand Age B | A Range          | Managed        | Site   | General Comments  |
|-------|---|-----------|--------------|-----------------|--------------------|--------------|-------------|------------------|----------------|--|---|
| 98    | 6128 - Lowland Coniferous, Mixed<br>Deciduous |           |              | Poletimber Well |                    | 5.7 65 Un    |             | nspecified       | N/A            |  | Wet.  |
|       | Canopy Species                                | % Cover   | Size Class   | DBH             | I Age              | Sub-Can      | opy Species | Density          | Avg. Height    | Size   |   |
|       | White Pine                                    | 20        |              | 14              |                    | Bals         | am Fir      | High             | 10 - 20 feet   | 10 - 20 feet   |   |
|       | Balsam Fir                                    | 30        | Seedling     | 6               |                    | Tan          | narack      | Low              | < 5 feet       | < 5 feet   |   |
| No    | rthern White Cedar                            | 10        | Seedling     | 8               | 90                 | Red          | Maple       | Medium           | 10 - 20 feet   | 10 - 20 feet   |   |
|       | Red Maple                                     | 10        | Seedling     | 6               |                    | Tag          | Alder       | Medium           | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Bigtooth Aspen                                | 30        |              | 10              | 65                 |              |             |                  |                |  |   |
| 100   | 3105 - Mixed Upland Herbaceous                |           |              | Unspecifed      |                    | 1.6          |             |                  | N              | 0  | Old norwich dump. (abandoned)                                   |
|       |   |           |              |                 |                    | Sub-Can      | opy Species | Density          | Avg. Height    | Size   |   |
|       |   |           |              |                 |                    | Swe          | et Fern     | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       |   |           |              |                 |                    | Spotted      | Knapweed    | Low              | Not Applicable | Not Applicable   |   |
|       |   |           |              |                 |                    | Mixed        | Grasses     | Medium           | Not Applicable | Not Applicable   |   |
|       |   |           |              |                 |                    | Black        | Cherry      | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       |   |           |              |                 |                    | Bigtoo       | th Aspen    | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       |   |           |              |                 |                    | Brack        | en Fern     | Low              | Not Applicable | Not Applicable   |   |
| 101   | 4139 - Aspen, Mixed Deciduous                 |           |              | Sapling Well    |                    | 75.8 8 171-2 |             | 171-200          | 00 N/A         |  | Treated with sale 63-013-17-01                                  |
|       | Canopy Species % Cover Size Class             |           | DBH Age      |                 | Sub-Canopy Species |              | Density     | Avg. Height Size |                |  |   |
|       | Quaking Aspen                                 | 35        | Log          | 1               | 8                  | Black        | Cherry      | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Red Oak                                       | 10        |              | 16              | 90                 | Red          | d Pine      | Low              | 10 - 20 feet   | 10 - 20 feet   |   |
|       | Black Cherry                                  | 10        |              | 8               |                    | Witcl        | h Hazel     | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Red Maple                                     | 30        | Log          | 1               |                    | Red          | d Oak       | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Bigtooth Aspen                                | 15        | Log          | 1               | 8                  |              |             |                  |                |  |   |
| 102   | 4139 - Aspen, Mixed Deciduous                 |           | Sapling Well |                 | 62.1               | 16 Uı        | nspecified  | N/A              |                | Treated with sale #63-032-07-01 Came back thick to aspen and maple |   |
|       | Canopy Species                                | % Cover   | Size Class   | DBH             | I Age              | Sub-Can      | opy Species | Density          | Avg. Height    | Size   | Some scattered saw log oak left.                                |
|       | Black Cherry                                  | 10        | Log          | 2               |                    | Witcl        | h Hazel     | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Red Oak                                       | 5         |              | 14              |                    | Red          | d Oak       | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Red Maple                                     | 40        | Log          | 2               |                    | Red          | Maple       | Medium           | 5 - 10 feet    | 5 - 10 feet  |   |
|       | Bigtooth Aspen                                | 45        | Log          | 2               | 16                 | Black        | Cherry      | Low              | 5 - 10 feet    | 5 - 10 feet  |   |
| 103   | 4311 - Pine, Aspen Mix Sa                     |           |              |                 | awtimber Medium    |              | 70.4 60 1-5 |                  | 50 N/A         |  | Treated with sale #59-07 Solid buffer left along flooding.Stand |
|       | Canopy Species                                |           | Size Class   | DBH             | I Age              | Sub-Can      | opy Species | Density          | Avg. Height    | Size   | almost looks to be logger select cut.                           |
|       | White Oak                                     | 5         |              | 12              |                    | Whi          | te Oak      | Low              | 10 - 20 feet   | 10 - 20 feet   |   |
|       | White Pine                                    | 50        |              | 12              | 60                 | Whit         | te Pine     | Low              | < 5 feet       | < 5 feet   |   |
|       | Black Cherry                                  | 10        |              | 3               |                    | Black        | Cherry      | Medium           | < 5 feet       | < 5 feet   |   |
|       | Red Maple                                     | 15        |              | 3               |                    | Red          | d Oak       | Low              | 10 - 20 feet   | 10 - 20 feet   |   |
|       | Bigtooth Aspen                                | 20        |              | 3               | 15                 | Red          | Maple       | Medium           | < 5 feet       | < 5 feet   |   |
|       |   |           | -            |                 | _                  | Biatoo       | th Aspen    | Medium           | < 5 feet       | < 5 feet   |   |