



# Compartment Review Presentation

## Traverse City Forest Management Unit

Compartment 61014

Entry Year 2023

Acreage: 3,293

County Benzie

Management Area: Benzie Outwash

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**Revision Date:** 2021-06-17

**Stand Examiner:** Tim Webb

**Legal Description:**

T26N - R14W - Sections 1-3, 8, 10-16

**Identified Planning Goals:**

This compartment falls within the Benzie Outwash Management Area (MA).

Vegetation management in this MA will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character and threatened, endangered and special concern species; and provide for forest-based recreational uses and Native American noncommercial uses of forest products. Timber management for the next 10 years includes improving the age-class distribution of aspen and red pine. Northern hardwoods management includes continued selective or regeneration harvesting of northern hardwoods to achieve an uneven age-class structure or improve timber quality. Wildlife management objectives include increasing the structural complexity of northern hardwood communities for interior forest species and perpetuating early-successional communities for species adapted to young forests. Expected trends in this 10-year planning period are increased recreational pressure on recreational trails and introduced insect and disease concerns, especially beech bark disease and hemlock wooly adelgid.

Honeysuckle, an invasive species, has increased noticeably in the past 10 years in aspen/hardwood stands on the east side of the compartment. Dormant season harvest of aspen may help accelerate aspen regeneration to at least partly outpace honeysuckle growth and spread.

Mature ash, both white ash in upland hardwood forests and black ash in swamp forests, have been virtually eliminated in this compartment in the past decade. However, there are some areas with ash seedlings. Ash regeneration should continue to be monitored in future re-inventories.

Several stands of over-mature aspen and planted jack pine continue to die off, releasing well-established good quality understory hardwoods.

**Soil and topography:**

Most of the compartment is level to rolling with some kettle depressions and draws. The valleys of Collison Creek and the Platte River cut through the compartment. Soils are predominantly sand types, including Fogg-Benzonia, Benzonia, Kaleva, and Nessen sands. Muck soils and small areas of loam occur in the river valley.

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

Adjacent lands are mostly private to the west, south, and northeast of the compartment. There is adjoining state land in compartment 13 to the east and compartments 8 and 9 to the north. Within the compartment, there is a large, fairly contiguous block of state land north of U.S. 31; south of the highway the state ownership is more fragmented into smaller parcels. Private lands are mostly dispersed rural residential properties. The Platte River State Fish Hatchery abuts the southeast corner of the compartment; the Village of Honor is on the west side.

**Unique Natural Features:**

Collison Creek and stretches of the Platte River run through the compartment.

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

A prehistoric camp/cemetery and woodland mounds are documented in this area. An old, abandoned rail grade follows the river valley in the south part of the compartment.

**Special Management Designations or Considerations:**

The bluff along the Platte River in section 12 is included in a designated special conservation area to protect riparian values here and extending into adjacent compartment 13.

**Watershed and Fisheries Considerations:**

Portions of both Collison Creek and the Platte River flow through Compartment 14. Collison Creek is a designated Type 1 trout stream and the Platte River is a designated Type 4 trout stream. Since both of these streams are of high quality their

trout populations are supported by natural reproduction, and they are not stocked. The Platte River is also the only broodstock source for the State of Michigan's coho salmon production program, and is a back-up broodstock source for the State of Michigan's steelhead production program. To keep these water bodies in good condition it is critical that BMP's and buffers are strictly adhered to. No clear cuts should take place in riparian areas as the shading and recruitment of woody debris to trout streams is highly desirable. Additionally, forest management for young aspen regeneration in the stream corridors should be avoided to discourage beaver activity. Management in the stream corridors should instead be for old-growth coniferous species, or at least for coniferous species.

### **Wildlife Habitat Considerations:**

State lands in sections 15 & 16 fall within a flat, poorly drained lake plain (LTA 6149) along the Platte River floodplain. Allowing these forests to succeed naturally will provide mature riparian forest cover beneficial to species such as winter wren, golden-crowned kinglet, otter, pileated woodpecker, wintering deer, barred owl, gray fox, and wood frog.

The remaining State land in this compartment is predominately on glacial outwash plains of dry sandy soils. Overall, wildfires were a common phenomenon on these dry soils and represent an important natural disturbance. These fires created and sustained a variety of fire driven communities; however parts of this landscape were at times shielded from fire to a degree. Consequently, some management for successional advanced hardwood/white pine stands is fitting to this compartment. Hardwood treatments should be designed to incorporate the preservation of tree species diversity, the retention of mature mast producing trees, and the protection of den, cavity, and downed trees. Beech was particularly important to wildlife in these drier hardwood types. Efforts should be made to subsidize the loss of beech as a mast tree. Tops should be left onsite, unchipped, and in scattered piles for habitat. Many wildlife species, including broad-winged hawks, wild turkeys, southern flying squirrels, eastern gray squirrels, and Baltimore orioles, are associated with these forest types.

The northeastern part of the compartment has a history of aspen cutting. Such early successional management is appropriate and should be continued in this area, with additional aspen harvests scheduled this inventory cycle in order to increase age class diversity. The incorporation of snags, leave trees, brush piles, and downed logs in these cuts will help to replicate a wildfire-altered forest and increase wildlife use by species like grouse, woodcock, golden-winged warbler, and deer.

Future management of the several pine stands here should consider incorporating small (2-5 acre) islands that are left relatively un-thinned within mature stands to provide winter roosting cover for turkeys.

Openings are an important part of this dry and fire prone landscape. Opening maintenance will continue in the compartment to benefit grassland species and species utilizing the edge component of these openings, such as, cedar waxwing, deer, wild turkey, mourning dove, meadow vole, or red fox.

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

The nearest active sand/gravel pit is one mile to the west, in Honor. There is good potential for sand and lesser amounts of gravel within the compartment. The compartment is northwest of the main Antrim play trend, and the Antrim Shale is thinner here and wells in this area are typically less productive compared to those farther southeast. Several Antrim wells have been completed in the area including some just outside the compartment. However, none have produced to date. Most have sat idle for many years "waiting for pipeline infrastructure". The wells are not economical at the current low price of natural gas, and it is unlikely they will produce anytime soon. Some have been plugged in the last few years. There are some active state oil & gas leases associated with these Antrim wells just outside the compartment. Additional oil & gas leasing in the near future is unlikely for the reasons noted above. There is no known metallic mineral potential in this part of the state.

### **Vehicle Access:**

Access to the dispersed state land parcels south of U.S. 31 is quite limited.

Most of these parcels are either landlocked or are wetlands. Some hardwood parcels desirable for harvesting would only be accessible via private lands. The rest of the compartment north of U.S. 31 has reasonably good access for management and recreation, except for some particular areas where terrain is prohibitive. Some trails on the bluff in section 12 could be closed to prevent erosion.

### **Survey Needs:**

The compartment is adequately monumented.

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

Vet's Memorial State Forest Campground is within this compartment, as is the entrance to the Platte River State Forest Campground (the campground itself is just south in adjacent compartment 61015). The Platte River snowmobile trail is also within the compartment. The Platte River is popular for trout fishing. There are good grouse hunting opportunities, trapping and waterfowl hunting in the river bottoms. An old gravel pit along Pioneer Road is a popular local target-shooting site.

### **Fire Protection:**

Wildfire protection for this area is from the Traverse City DNR Office on M-37, at least 20 minutes east of the compartment. Assistance is also available from the Homestead Township Volunteer Fire Department located within the compartment boundary. Road access is fair to poor due to wet low lying areas. Water access for suppression is readily available and should be considered a plus for fire suppression planning. Wildfire occurrences in this compartment have been historically low.

**Additional Compartment Information:**

A small, isolated parcel in the SW ¼ of section 10 should be considered for disposal.

The old gravel pit along Pioneer Road (stand 71) which is used for target shooting may need realignment of shooting lanes to improve public safety.

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

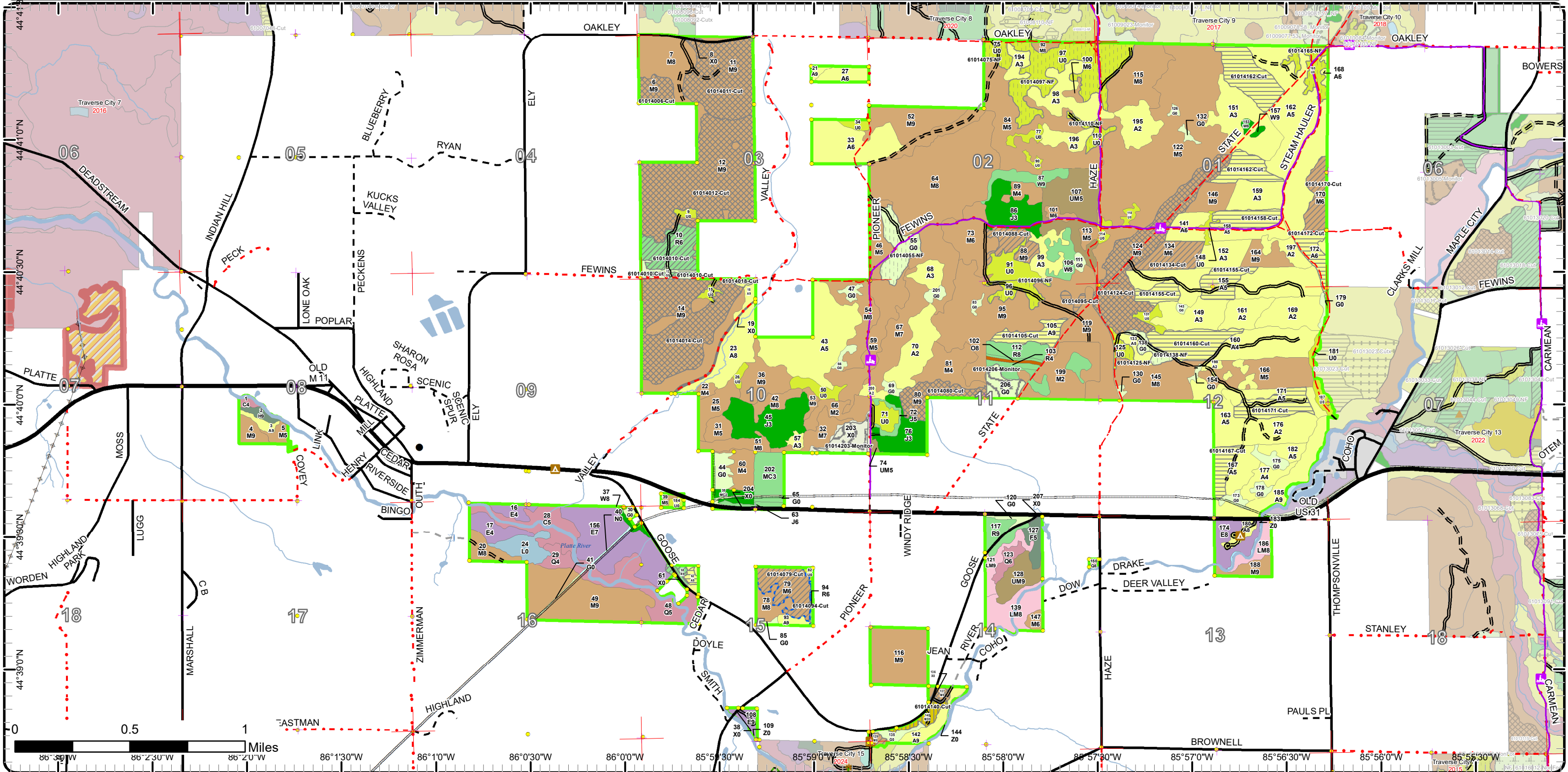
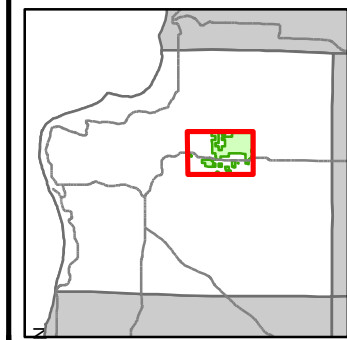
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

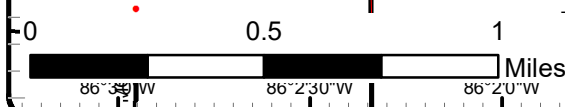
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 14  
 T26N, R14W, Sec. 1-3, 8, 10-16  
 County: Benzie  
 Unit: Traverse City  
 Mgmt Area: Benzie Outwash  
 YOE: 2023  
 Acres: 3293.3 GIS Calculated  
 Examiner: Tim Webb  
 Map Revised: 9/15/2021  
 Map Phase: Post-Review

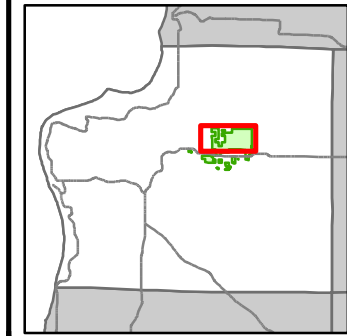


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
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- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . . . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Culvert
- ▲ Campground
- City
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
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- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

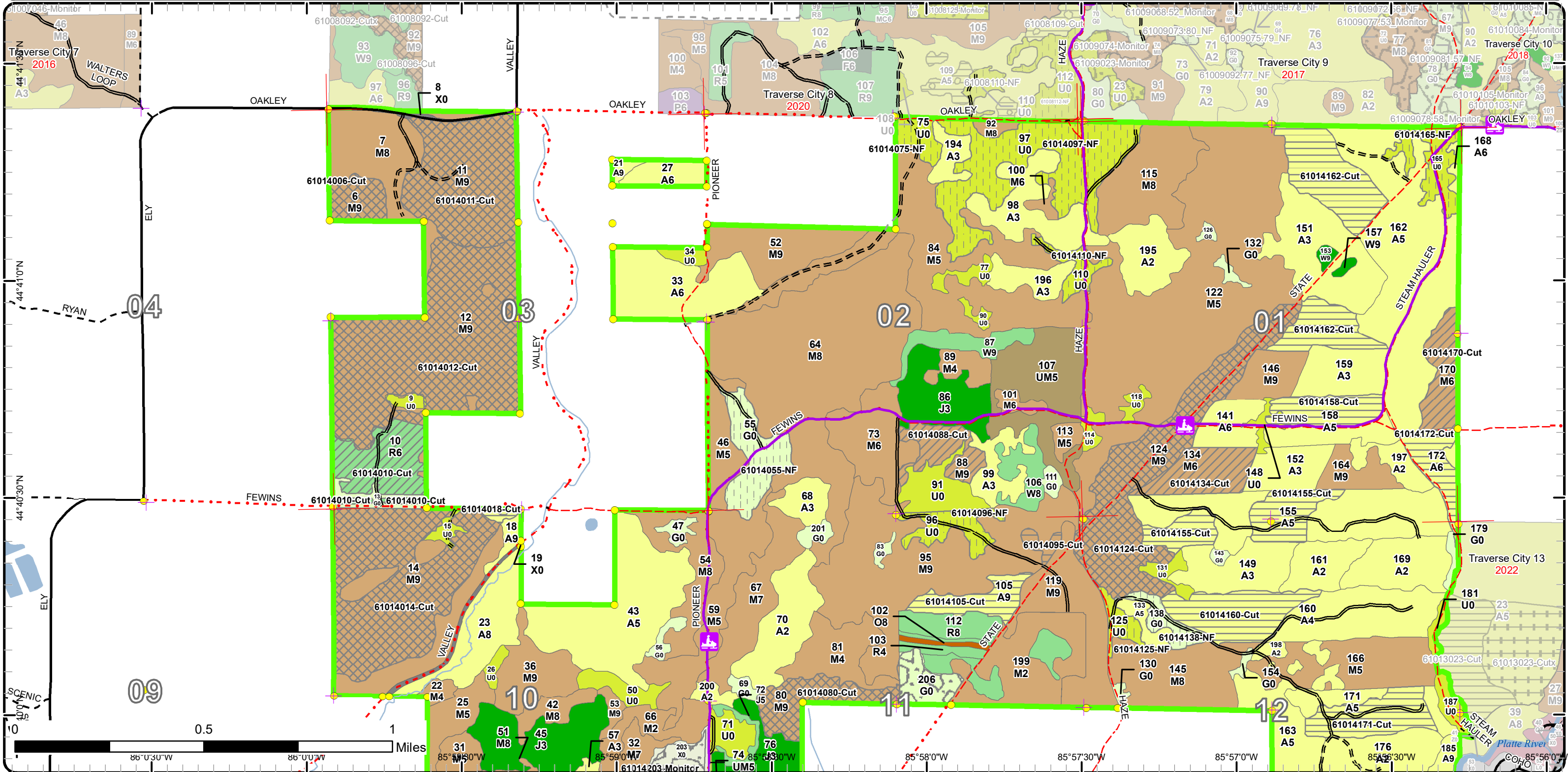


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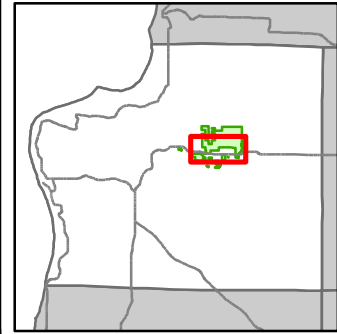


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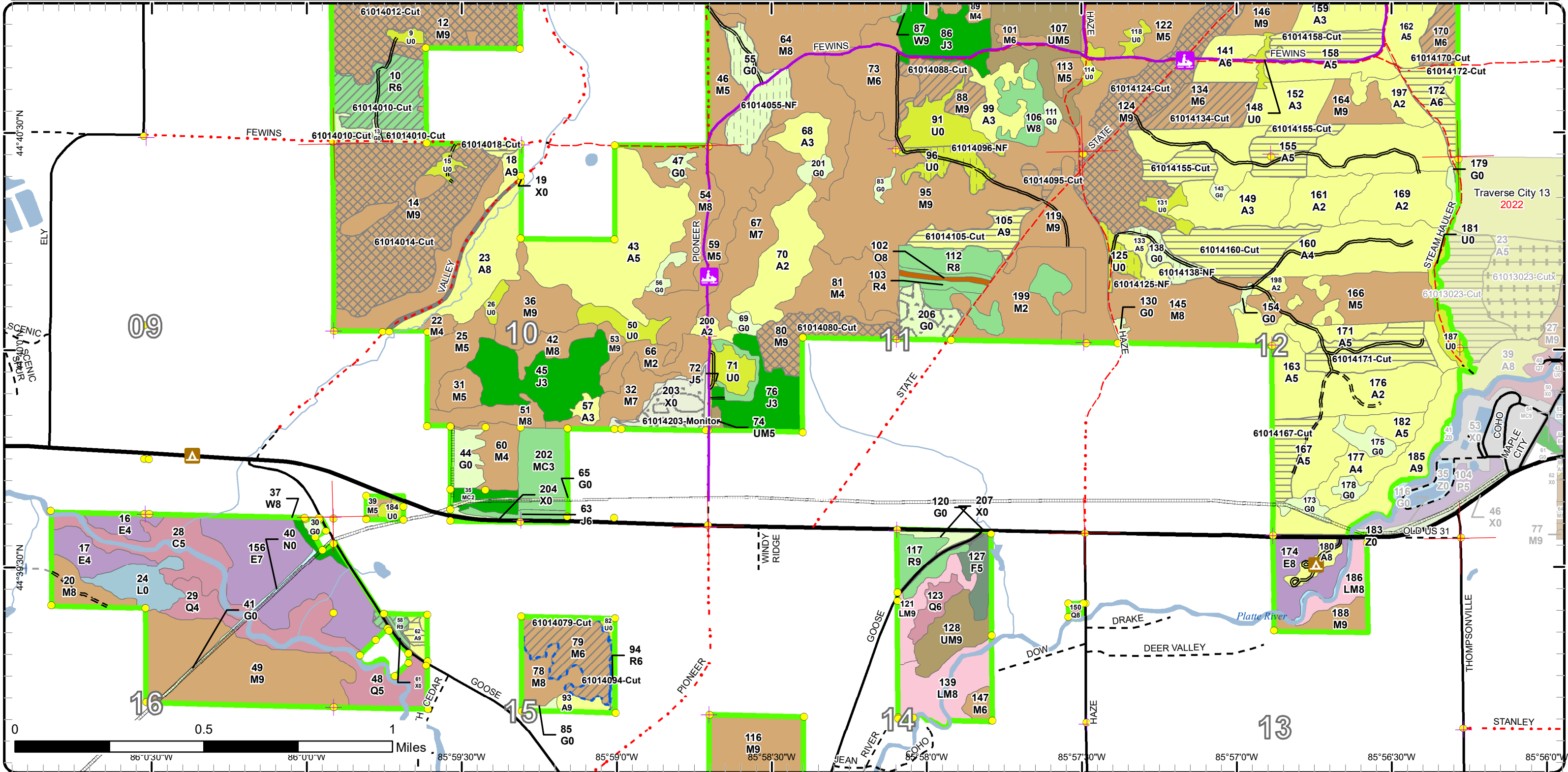


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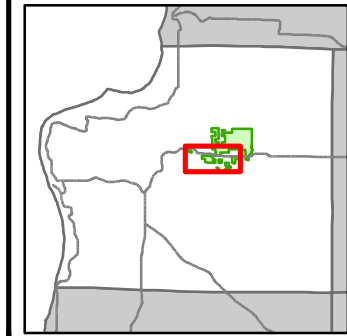


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| — Miris Corners                         | ⚡ Bridges                           | ■ 411 - Northern Hardwood         | ■ 623 - Emergent Wetland              |
| ⊕ Remonumented Section Corners          | ⌒ Culvert                           | ■ 412 - Oak Types                 | ■ 790 - Other Bare/Sparsely Vegetated |
| ● Survey Grade Corners                  | ⚠ Campground                        | ■ 413 - Aspen Types               |                                       |
| ⌚ Counties                              | 🌊 Lake/Pond                         | ■ 421 - Planted Pines             |                                       |
| — DNR - Secondary Forest Road           | 🌊 Perennial River                   | ■ 422 - Natural Pines             |                                       |
| == DNR - Forest Access Route            | 🌊 Swamp                             | ■ 423 - Other Upland Conifers     |                                       |
| — Federal / State Highway               | 🌊 Lakes and Rivers                  | ■ 430 - Upland Mixed Forest       |                                       |
| — Federal / State / County - Paved Road | 📡 Pipeline                          | ■ 611 - Lowland Deciduous Forest  |                                       |
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|   | 📄 Regeneration Survey               | ■ 500 - Water                     |                                       |
|   | 📄 Opening Maintenance               | ■ 622 - Lowland Shrub             |                                       |

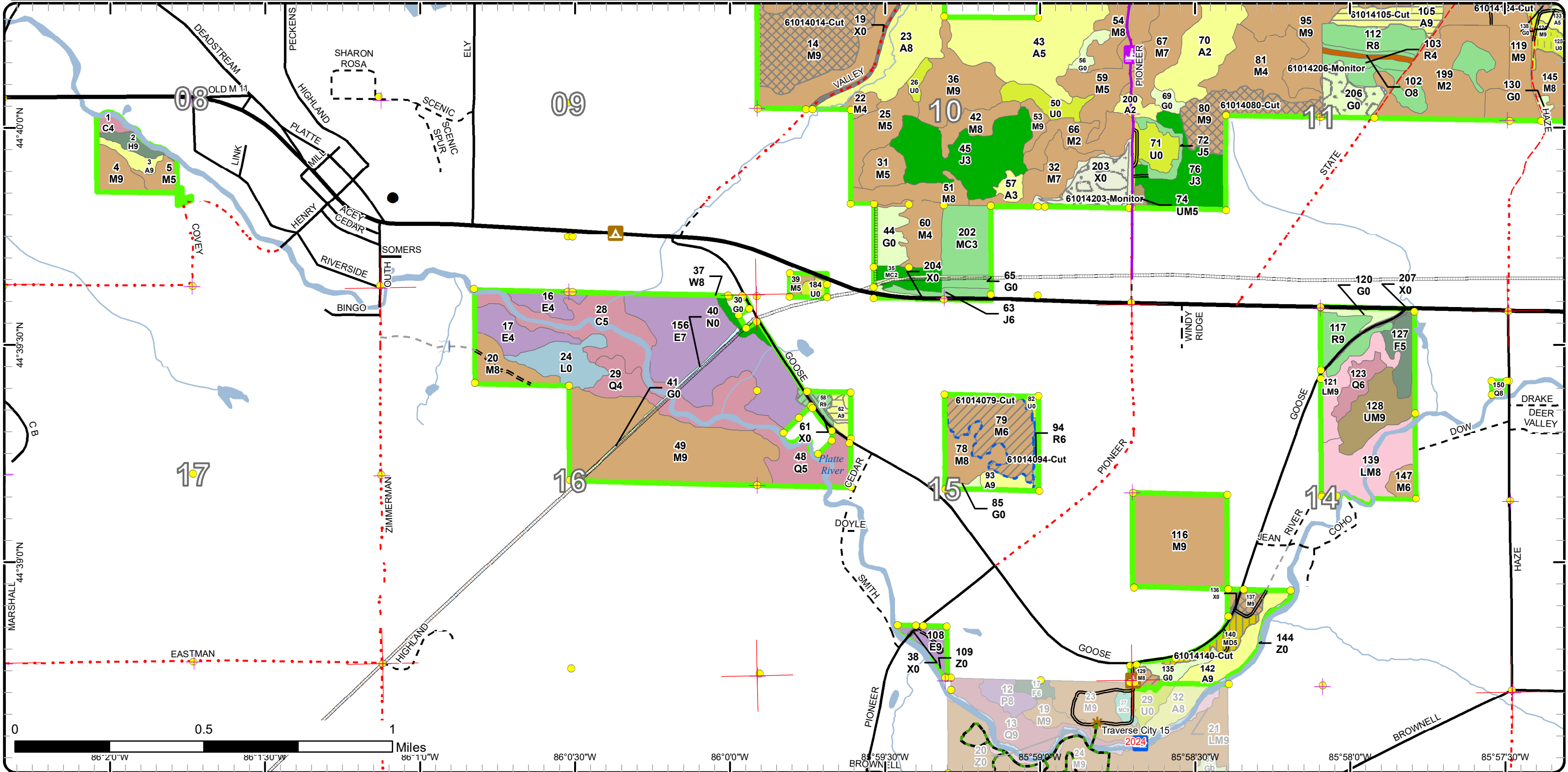


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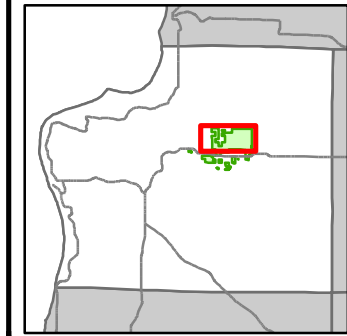


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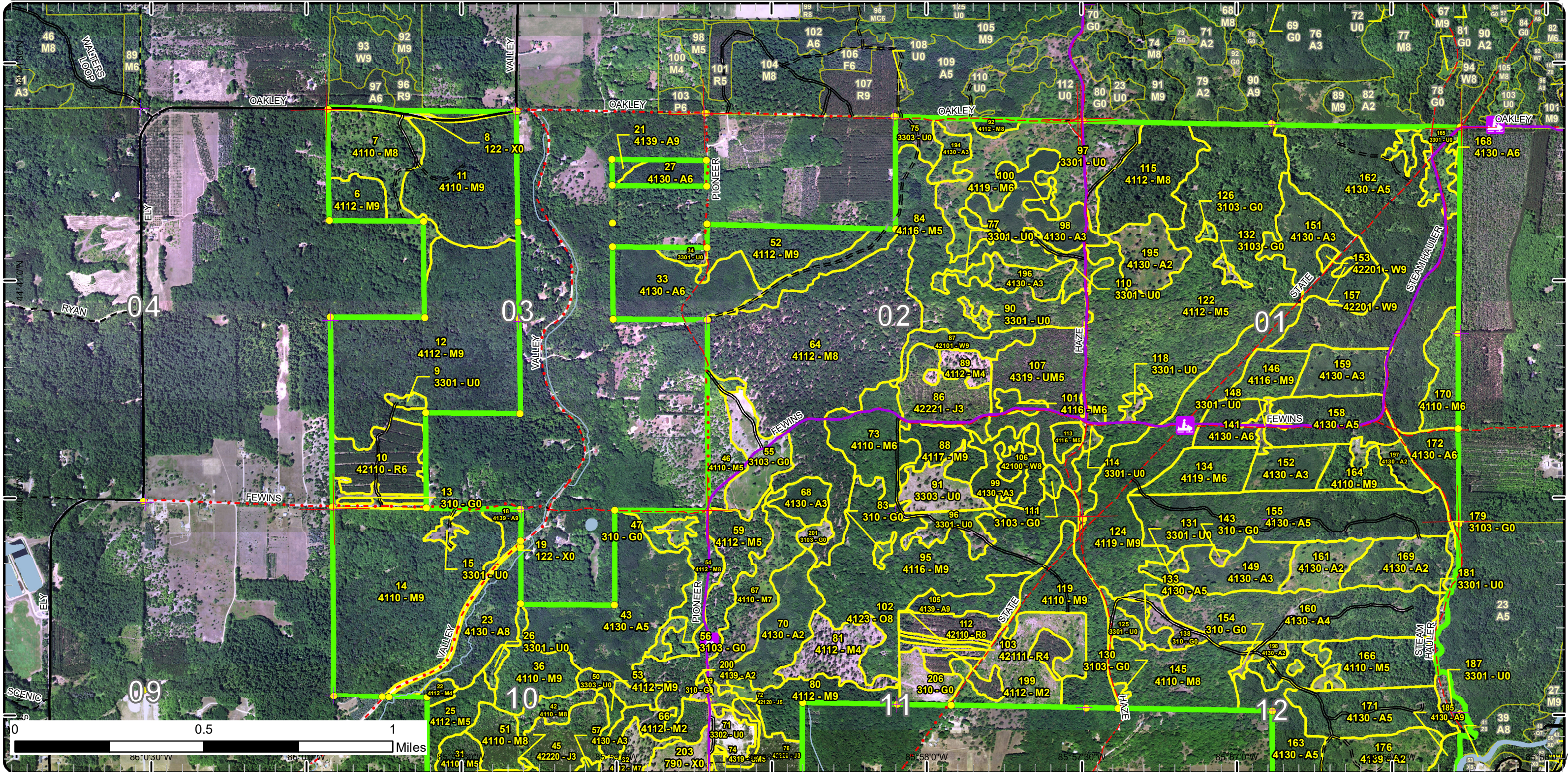


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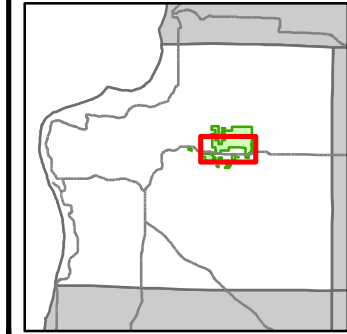
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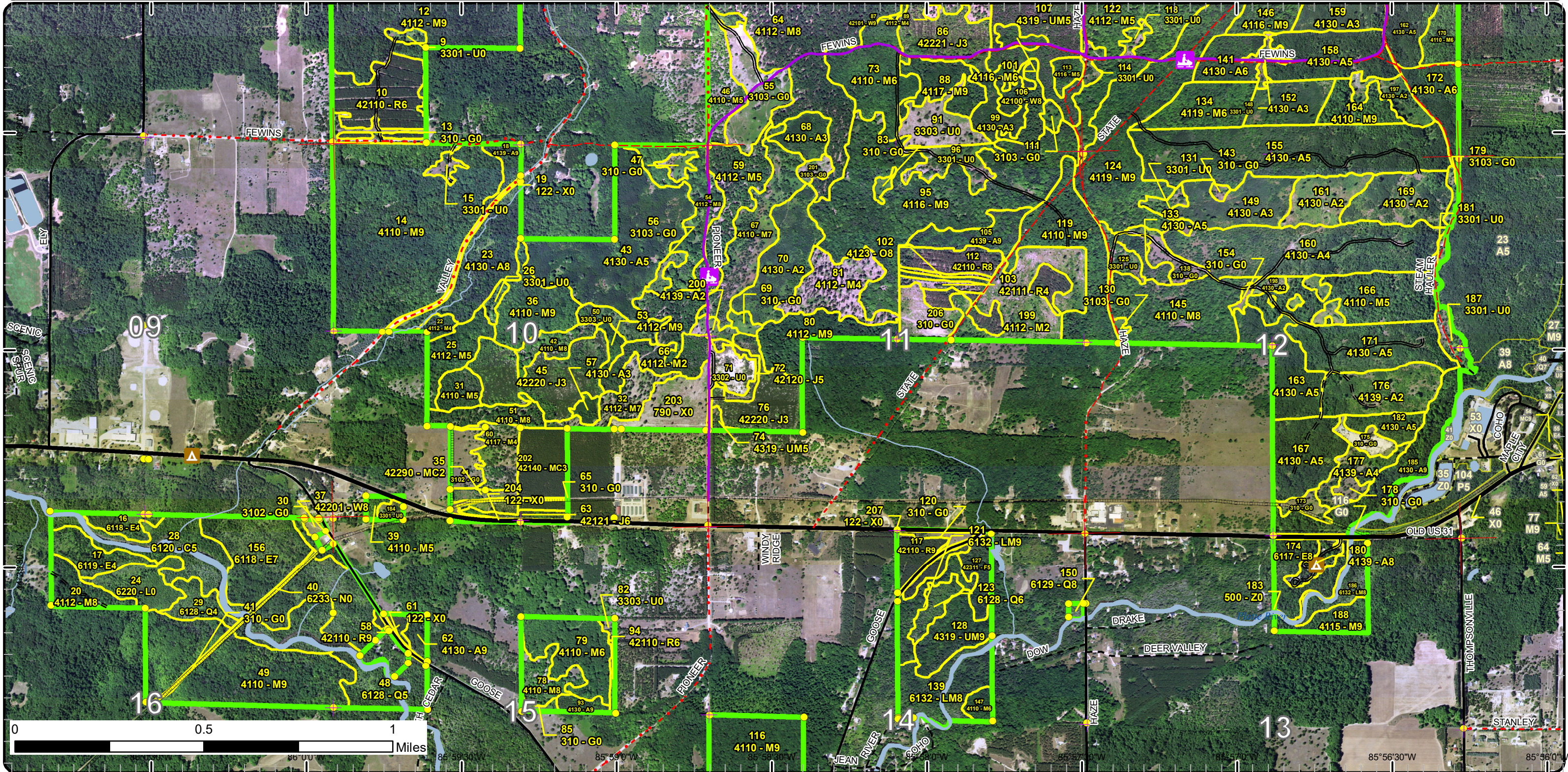


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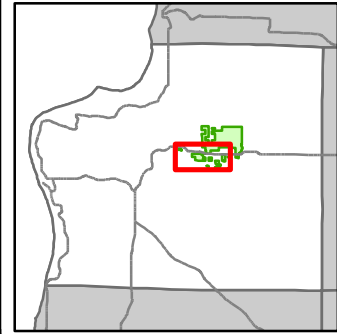


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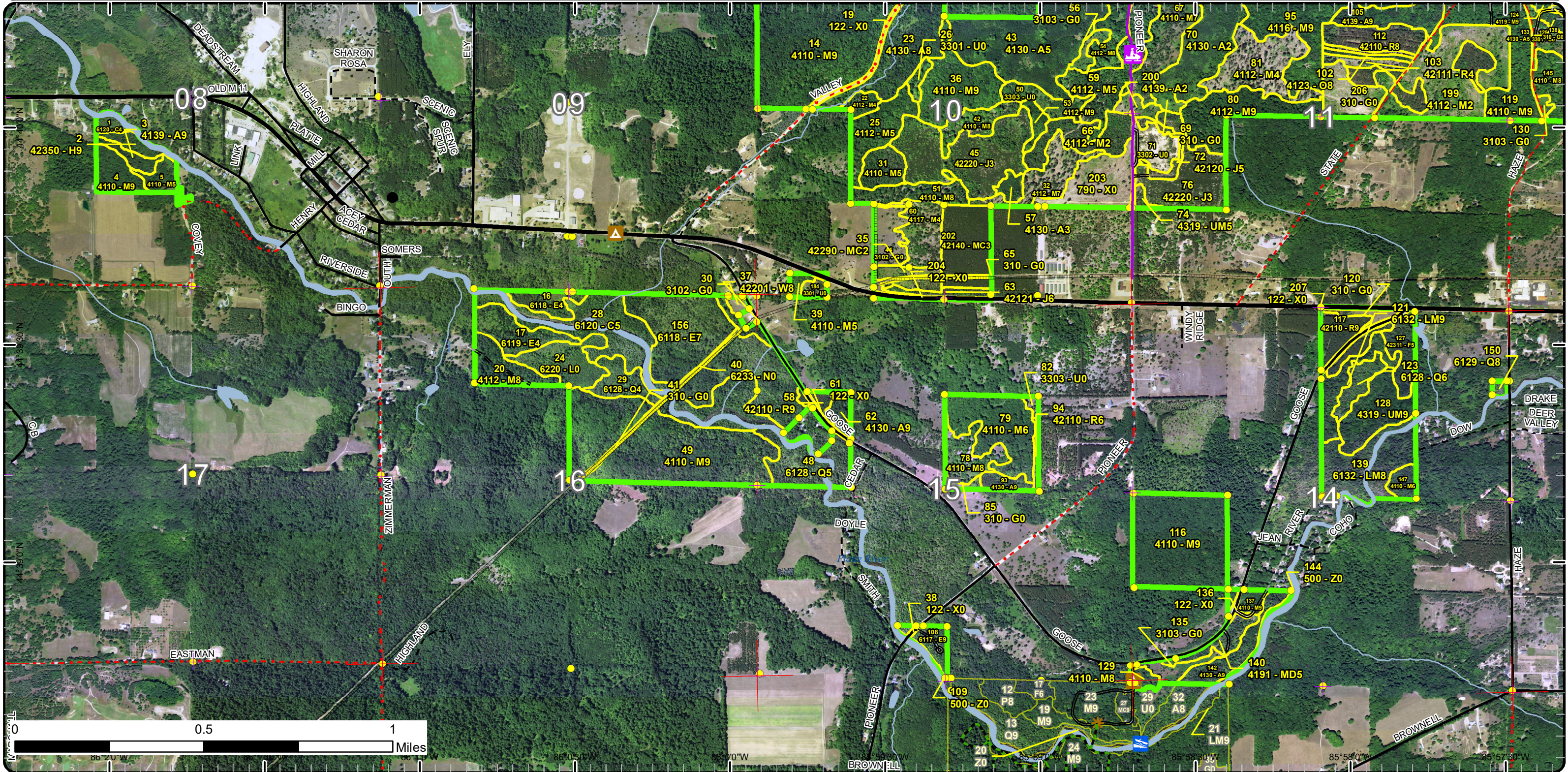


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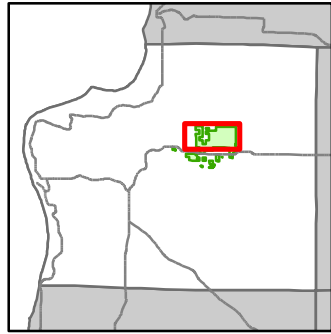


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  - 🌉 Culvert
  - 🏕️ Campground
  - City
  - 🌟 Trailhead
  - 🌊 Lake/Pond
  - 🌊 Perennial River
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  - 🟩 Compartment Boundary
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- |  |  |
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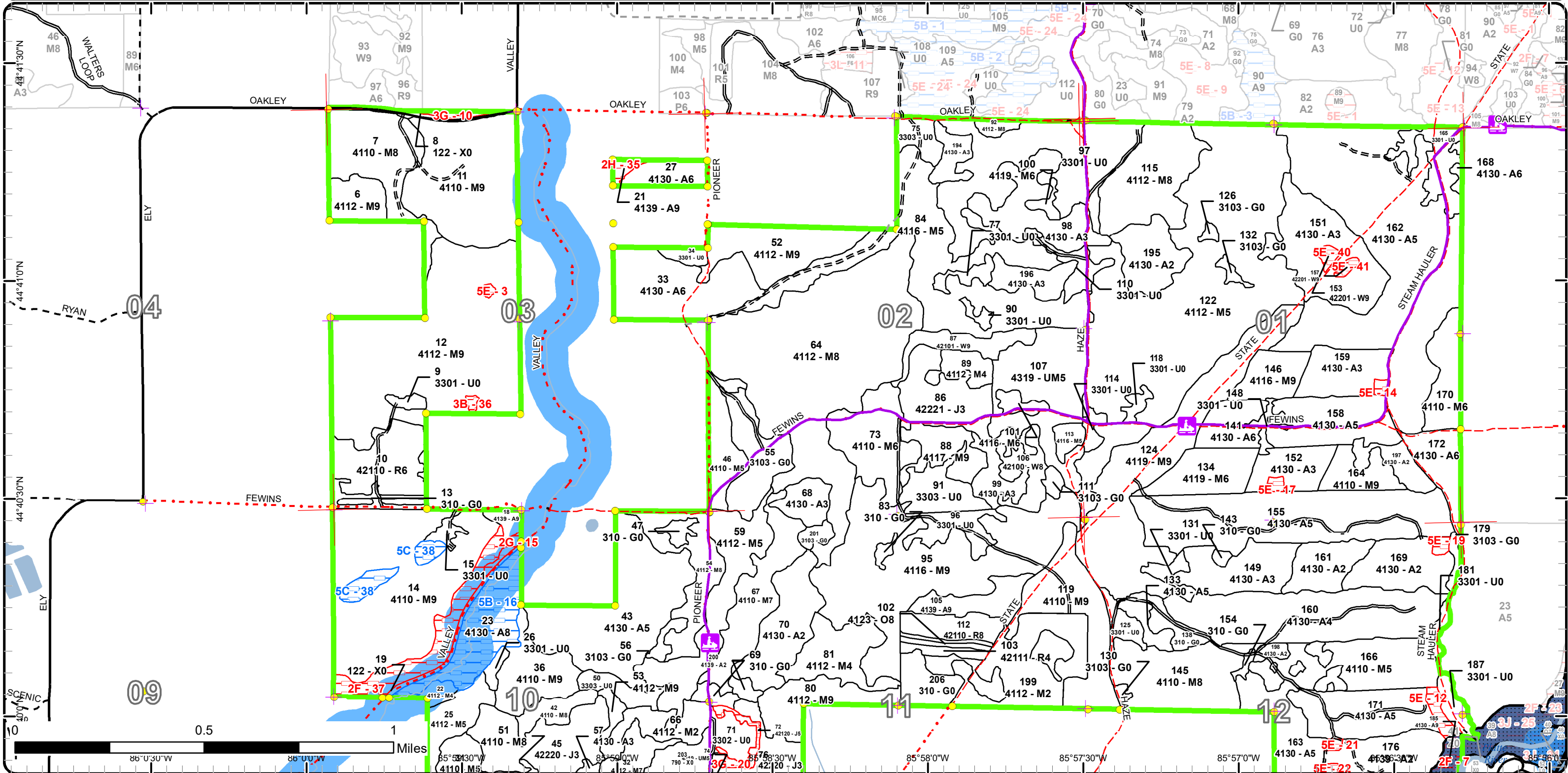


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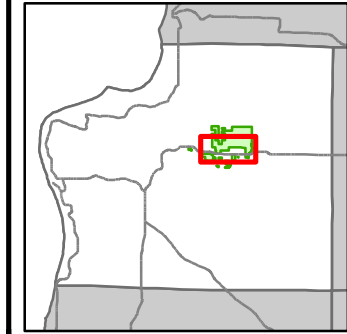


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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Spring or Seep

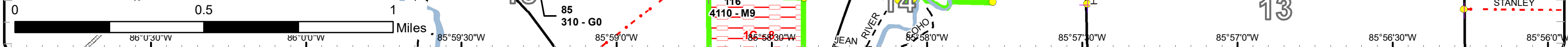
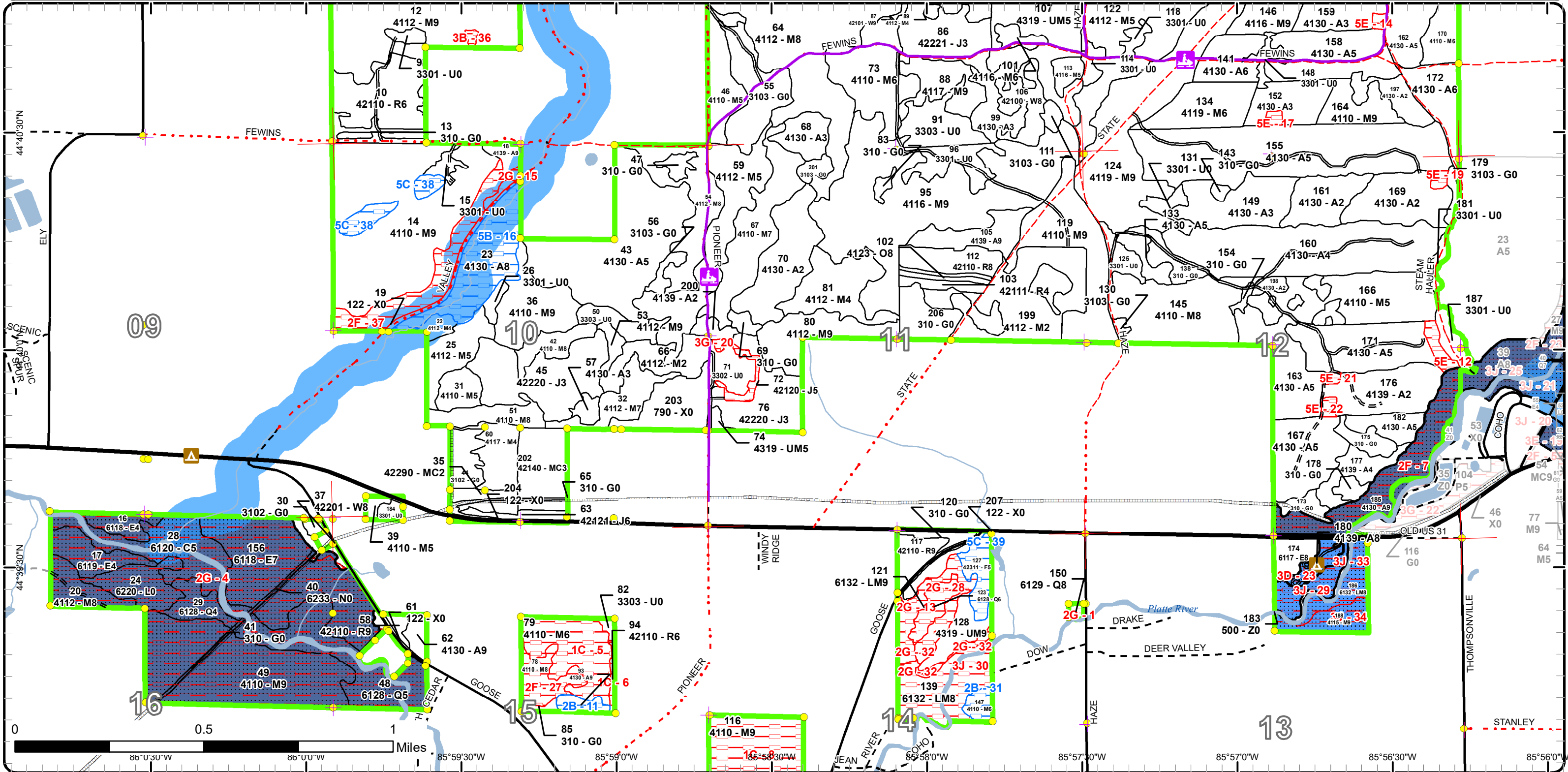


# Special Conservation Areas

Compartment: 14  
 T26N, R14W, Sec. 1-3, 8, 10-16  
 County: Benzie  
 Unit: Traverse City  
 Mgmt Area: Benzie Outwash  
 YOE: 2023  
 Acres: 3293.3 GIS Calculated  
 Examiner: Tim Webb  
 Map Revised: 9/15/2021  
 Map Phase: Post-Review

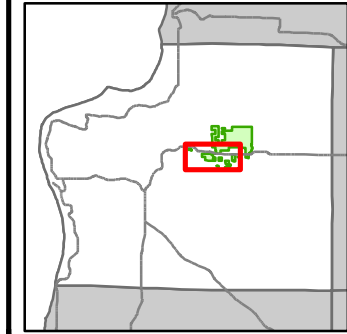


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- == Federal / State / County - Paved Road
- - Federal / State - Dirt / Gravel Road
- . . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ⚡ Snowmobile Trails
- Designated Snowmobile Trails
- Bridges
- Culvert
- ▲ Campground
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Spring or Seep
- Riparian Area
- Other SCA (No Category Assigned)

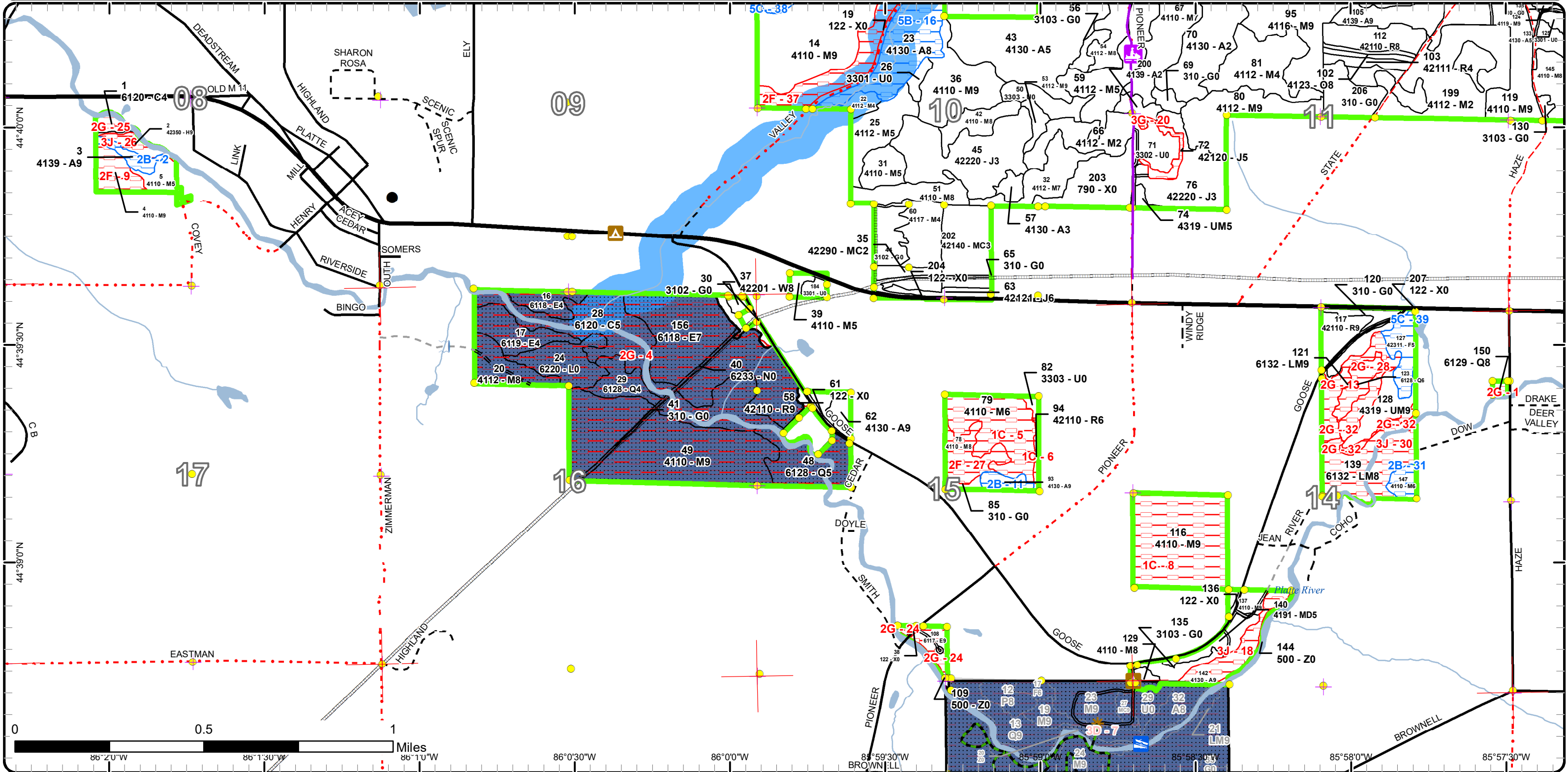


# Special Conservation Areas

Compartment: 14  
 T26N, R14W, Sec. 1-3, 8, 10-16  
 County: Benzie  
 Unit: Traverse City  
 Mgmt Area: Benzie Outwash  
 YOE: 2023  
 Acres: 3293.3 GIS Calculated  
 Examiner: Tim Webb  
 Map Revised: 9/15/2021  
 Map Phase: Post-Review



- Miris Corners
- Designated Ski Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Boating Access Site
- Culvert
- Campground
- City
- Trailhead
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Spring or Seep



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	60	200	139	368	19	2	59	4	0	5	0	0	0	0	0	0	38	892
Bare/Sparsely Vegetated	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	3	46
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Herbaceous Openland	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Jack Pine	0	0	77	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	83
Low-Density Trees	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	168
Lowland Conifers	0	0	0	0	0	0	0	0	0	6	8	0	0	0	17	0	0	1	32
Lowland Deciduous	0	0	0	0	0	0	11	0	15	0	0	0	0	0	0	0	0	65	91
Lowland Mixed Forest	0	0	0	0	0	0	0	32	0	9	0	0	0	0	0	0	0	0	41
Lowland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Natural Mixed Pines	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Northern Hardwood	0	34	0	0	0	63	0	4	9	277	300	504	3	0	0	0	0	403	1597
Oak	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Planted Mixed Pines	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Red Pine	0	0	0	0	26	2	0	37	2	0	0	0	0	0	0	0	0	0	67
Upland Mixed Forest	0	0	0	0	0	0	0	40	0	1	0	0	0	0	0	0	0	15	56
Upland Spruce/Fir	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	3	0	24	0	0	0	0	0	0	0	0	0	27
<b>Total</b>	<b>317</b>	<b>94</b>	<b>283</b>	<b>157</b>	<b>394</b>	<b>84</b>	<b>22</b>	<b>153</b>	<b>89</b>	<b>284</b>	<b>322</b>	<b>504</b>	<b>51</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>525</b>	<b>3293</b>



## Report 2 – Treatment Summary

Traverse City Mgt. Unit  
Year of Entry: 2023

Acres of Harvest

Compartment 14  
Total Compartment Acres: 3,293

Commercial Harvest - 603  
Harvests with Site Condition - 24  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	164	0	0	0	0	0	0	0	0	164
Mixed Upland Deciduous	0	0	0	0	6	0	0	0	0	6
Northern Hardwood	3	353	0	0	0	72	0	0	0	428
Red Pine	0	0	0	0	0	29	0	0	0	29
<b>Total</b>	<b>167</b>	<b>353</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>627</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	627	0	0	0	0	0	23	0	128	778
Next Step	0	0	0	0	0	33	547	0	0	580
<b>Total</b>	<b>627</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>569</b>	<b>0</b>	<b>128</b>	<b>1357</b>



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>6</b>	<b>61014006-Cut</b>	10.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	101	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for thinning, focusing removal on poorer quality and multi-stemmed trees. Lower BA to 80-90. Retain some cherry, beech for mast production.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Sugar maple, red maple, cherry and basswood are preferred in regen. gaps, but any mix of northern hardwoods is acceptable. Aspen may regenerate as well in some patches where mature aspen are removed.</p> <p><u>Other Comment:</u> Old next step comments: None.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>											
<b>10</b>	<b>61014010-Cut</b>	26.0	42110 - Planted Red Pine	Poletimber Well	39	171-200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 3rd-row thin. Leave hardwoods uncut as much as possible; but if cut, leave for woody debris.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
<b>11</b>	<b>61014011-Cut</b>	56.0	4110 - Sugar Maple Association	Sawtimber Well	101	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for selection; target residual BA of 90.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mixed northern hardwoods in regen gaps</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>12 61014012-Cut</b>	115.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	101	141-170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for thinning, with a residual BA of 80-90. Marking and sale specs should consider the presence of EAB and beech scale in the stand.</p> <p><u>Specs:</u> Create some regeneration holes. Mark judiciously around existing hemlock to prevent damage and to promote release or regeneration of additional hemlock.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Sugar maple, red maple, cherry and basswood are preferred in regen. gaps, but any mix of northern hardwoods is acceptable. Aspen may regenerate as well in some patches where mature aspen are removed.</p> <p><u>Other Comment:</u> Old next step comments: None. Mixed hardwood saplings are desired in regeneration holes, although initial dominance of ironwood and beech is likely.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										
<b>14 61014014-Cut</b>	81.6	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for selection harvest; target residual BA of 90. Create some regen gaps centered on aspen clones.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mixed northern hardwoods and aspen in regen gaps</p> <p><u>Other Comment:</u> Two areas with younger hardwoods are excluded from the sale area, along with the bluff along the SE side of the stand. Size, shape and number of excluded areas may change during sale preparation.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>18 61014018-Cut</b>	1.3	4139 - Aspen, Mixed Deciduous	Sawtimber Well	93	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut all stems greater than 2" dbh. Leave hemlock uncut.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen, mixed hardwoods</p> <p><u>Other Comment:</u> A small patch of hardwood/hemlock along the north property line will serve as retention.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>55 61014055-NF</b>	20.1	3103 - Rubus-Fern	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>58 61014058-Cut</b>	1.8	42110 - Planted Red Pine	Sawtimber Well	71	201+	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark for thinning, removing about 1/3 of the trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Access for harvesting may be difficult. The part of the stand west of Goose Rd. has little room for a landing and may have to be left out of the sale. The part east of the road was previously thinned with access across private land, which may have to be used again if the landowner grants permission. Old next step comments: None.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2012</p>										
<b>62 61014062-Cut</b>	1.9	4130 - Aspen	Sawtimber Well	71		Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all aspen over 2" dbh. Leave most or all trees of other species for retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Combine with adjacent pine thinning on one sale. Access will probably be restricted to adjacent private land. Old next step comments: None. Should regenerate adequately with aspen sprouts.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2012</p>										
<b>75 61014075-NF</b>	7.0	3303 - Mixed Low Density Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
79	61014079-Cut	22.5	4110 - Sugar Maple Association	Poletimber Well	88	111-140	Harvest	Low Thinning	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for thinning; focus harvest on low quality, multi-stemmed sugar maple. Target residual BA of 90.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Other Dept./Div. Processes</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
80	61014080-Cut	19.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for a selection harvest; target residual BA of about 90. Remove most of the beech, but leave a few for wildlife trees. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mixed hardwoods, white pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
88	61014088-Cut	14.0	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	81	111-140	Harvest	Crown Thinning	4117 - Mixed N. Hardwood - Pine	Uneven-Aged	No
<p><u>Prescription</u> Mark for thinning. Residual BA target of 90 in areas with more hardwood, 120 in areas with more pine. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
94	61014094-Cut	1.5	42110 - Planted Red Pine	Poletimber Well	45	201+	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 3rd-row thin.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Other Dept./Div. Processes</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>95 61014095-Cut</b>	2.9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees &gt;2" dbh. Mark a few scattered hardwoods, pines, or aspen cavity trees to retain. Cut and leave 1-2 trees &gt;10" dbh for CWD.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, mixed hardwoods</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>96 61014096-NF</b>	10.7	3301 - Low Density Deciduous Trees	Nonstocked			NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>97 61014097-NF</b>	57.1	3301 - Low Density Deciduous Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>105 61014105-Cut</b>	12.6	4139 - Aspen, Mixed Deciduous	Sawtimber Well	62	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees &gt;2" dbh, except retain some scattered patches and/or individual hardwoods and pines totaling about 5% of the area. Cut and leave 1-2 trees &gt;10" dbh for CWD.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, mixed hardwoods, pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>110 61014110-NF</b>	6.7	3301 - Low Density Deciduous Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription Specs:</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>124 61014124-Cut</b>	67.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	106	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	No
<p><u>Prescription Specs:</u> Mark for selection, residual BA about 90. Harvest most of the aspen and beech. Create some regen holes centered on aspen clones. Avoid cutting conifers. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> mixed hardwoods, white pine; aspen in regen holes</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>125 61014125-NF</b>	5.4	3301 - Low Density Deciduous Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>129 61014129-Cut</b>	2.0	4110 - Sugar Maple Association	Sawtimber Medium	105	81-110	Harvest	Low Thinning	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for selection harvest; target residual BA of 90. Exclude part of stand west of campground access road.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>134 61014134-Cut</b>	18.1	4119 - Mixed Northern Hardwoods	Poletimber Well	90	81-110	Harvest	Crown Thinning	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for thinning. Focus removal on aspen and multi-stemmed hardwoods. Residual BA about 90.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
137 61014137-Cut	2.6	4110 - Sugar Maple Association	Sawtimber Well	115	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Mark for selection harvest; target residual BA of 90. Cut most of the aspen.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> mixed hardwoods and aspen in regen gaps  <u>Regen:</u>  <u>Other Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										
138 61014138-NF	7.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										
140 61014140-Cut	6.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	57	81-110	Harvest	Shelterwood with Retention	42311 - Planted Spruce, Mixed Deciduous	Two-Aged	No
<p><u>Prescription</u> Cut all aspen, most of the cherry, pole-sized spruce. Leave maple, larger spruce and white pine.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> any mix of aspen, cherry, maple, spruce, white pine  <u>Regen:</u>  <u>Other Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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155	61014155-Cut	23.6	4130 - Aspen	Poletimber Medium	38	Unspec ified	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Clearcut all trees >2" dbh, except do not cut elm, basswood, white pine, juneberry, or hawthorn. Delineate about 5% within the treatment area for retention islands incorporating areas with more hardwoods and/or hardwood regeneration pockets. Cut and leave 1-2 trees >10" dbh for CWD.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods, white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

158	61014158-Cut	14.4	4130 - Aspen	Poletimber Medium	38	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 5% of the treatment area. Also retain all conifers. Cut and leave 1-2 trees >10" dbh for CWD. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods, white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

160	61014160-Cut	24.5	4130 - Aspen	Poletimber Poor	38		Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Clearcut all trees >2" dbh, except do not cut elm, white pine, or juneberry. Delineate about 5% of the treatment area for retention islands, incorporating areas with more hardwoods. Cut and leave 1-2 trees >10" dbh for CWD.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods, white pine

Regen:

Other

Consider dormant season harvest to give aspen regeneration an edge over honeysuckle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022





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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
162	61014162-Cut	42.9	4130 - Aspen	Poletimber Medium	34	Immature	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 5% of the stand area. Also retain all conifers.  <u>Specs:</u> Cut and leave 1-2 trees &gt;10" dbh for CWD. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> aspen, white pine, mixed hardwoods  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											
165	61014165-NF	13.8	3301 - Low Density Deciduous Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u> Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											
167	61014167-Cut	10.4	4130 - Aspen	Poletimber Medium	38		Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut all trees &gt;2" dbh except elm and maple. Leave a couple of small retention areas uncut within the treatment area. Cut and leave 1-2 trees &gt;10" dbh for CWD.  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> aspen, mixed hardwoods  <u>Regen:</u>  <u>Other</u> Consider dormant season harvest to promote thick, fast regeneration to overcome honeysuckle.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											
170	61014170-Cut	15.5	4110 - Sugar Maple Association	Poletimber Well	92	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Thin to improve hardwood quality and spacing.  <u>Specs:</u> Cut most of the aspen, but leave some for snags/cavity trees. Residual BA about 90.  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u> aspen and mixed hardwoods in canopy gaps  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>171 61014171-Cut</b>	19.8	4130 - Aspen	Poletimber Medium	38	Unspec ified	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 3% of the treatment area. Also retain all conifers and elm. Cut and leave 1-2 trees >10" dbh for CWD.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods

Regen:

Other Consider dormant season harvest to promote thick, fast regeneration to overcome honeysuckle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

<b>172 61014172-Cut</b>	12.9	4130 - Aspen	Poletimber Well	46		Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Clearcut all stems greater than 2" dbh. Leave a retention island on the east side of the stand with mostly hardwoods. Also retain all conifers and some scattered individual mature hardwoods. Cut and leave 1-2 trees >10" dbh for CWD.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods

Regen:

Other A possible retention area has been excluded from the draft treatment area along the east edge of the stand.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

<b>203 61014203-Monitor</b>	12.5	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspec ified	Monitoring	Artificial Regen(1yr)	42110 - Planted Red Pine	Even-Aged	No
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Prescription monitor RP planting

Specs:

Next Step Pesticide, Skidder - Site Prep; ; ; Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable red pine, occasional JP and cherry

Regen:

Other Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

<b>206 61014206-Monitor</b>	10.2	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	Monitoring	Artificial Regen(1yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription monitor regen

Specs:

Next Step Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep; ; Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable red pine, occasional cherry & WP

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 9/1 /2021



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment Acreage Proposed: **777.8**

## Report 4 – Site Conditions

Traverse City Mgt. Unit

Tim Webb : Examiner

Compartment: 14

Year of Entry: 2023

### Availability for Management

Availability for Management				Dominant Site Conditions												
Total Acres	Acres Available	Acres Available With Condition	Acres Not Available													
Acres	Available	With Condition	Not Available	2B	5B	5C	1C	2F	2G	2H	3B	3D	3G	3J	5E	
891	803	34	55	Aspen	7	27		0	28	2	2		5		10	8
16	16	0	0	Bare/Sparsely Vegetated												
46	0	0	46	Cedar					46							
4	0	0	4	Hemlock					0						4	
98	97	0	1	Herbaceous Openland	0			0	1						0	
83	80	0	3	Jack Pine									3			
169	169	0	0	Low-Density Trees				0	0				0			
32	0	0	32	Lowland Conifers					32							
91	6	0	84	Lowland Deciduous					76			0			8	
41	0	0	41	Lowland Mixed Forest					9						32	
13	0	0	13	Lowland Shrub					13							
2	0	0	2	Marsh					2							
6	6	0	0	Mixed Upland Deciduous											0	
6	6	0	0	Natural Mixed Pines												
1597	1404	10	183	Northern Hardwood	4	0	7	63	36	72		1	2	9	1	
2	2	0	0	Oak												
18	18	0	0	Planted Mixed Pines												
67	66	0	1	Red Pine				1	0							
57	50	0	7	Upland Mixed Forest					7							
8	0	8	0	Upland Spruce/Fir			8		0							
16	16	0	0	Urban		0			0			0				
4	4	0	0	Water					0						0	
27	24	0	3	White Pine					0							3
3,293	2,766	52	475	Total Forested Acres	10	27	15	64	64	260	2	1	5	5	62	12
	84%	2%	14%	Relative Percent												

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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2	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	3	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Accessing from the Covey Rd frontage is impractical. Let aspen die off, releasing hardwood understory.							
3	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	228	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This area was formerly listed as a potential old growth area. Most of this block of state forest land is lowland/riparian area in the Platte River valley. Public access is limited to frontage along Goose Road.							
5	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	23	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Parcel is landlocked, will need to obtain private access for any management.							
6	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	2	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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7	<b>Unavailable</b>	<b>2F: Too steep</b>	28	3J: Water quality / BMPs (stream, river, or lake)	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified
<b>Comments:</b> Steep bluffs along Platte River, across from the Platte Hatchery.							
8	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	40	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand could be thinned, but this parcel is landlocked; access would have to be across private land.							
9	<b>Unavailable</b>	<b>2F: Too steep</b>	7	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Accessing from the Covey Rd frontage is impractical. Possible access from neighboring private land, but stand is generally too steep to harvest practically.							
10	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small sliver of stand 11 between county road and private land; best left uncut for aesthetics.							
11	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fairly steep hillside continues onto adjacent private land, therefore inoperable unless adjacent landowner would also harvest timber simultaneously, which is not likely.							
12	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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13	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	9	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Spring/stream within stand.							
14	<b>Unavailable</b>	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Available</b>	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> riparian area							
19	<b>Unavailable</b>	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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20	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand was part of a larger JP plantation harvested in 2006. This residual strip was purposely left to thwart illegal ORV use in the adjacent abandoned gravel pit.							
21	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Veterans Memorial State Forest Campground							
24	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Used for Platte River access.							
25	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Platte River riparian zone							



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26	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	4	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Platte River riparian zone							
27	<b>Unavailable</b>	<b>2F: Too steep</b>	10	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	8	3D: Recreational / Scenic values	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b> Platte River riparian zone; adjacent to state forest campground							
30	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	23	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Platte River riparian zone							

## Report 4 – Site Conditions

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31	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stream runs through the stand; Platte River riparian zone							
33	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Platte River riparian zone							
34	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Sidehill with high water table; springs & streams. Inaccessible.							
35	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	2	2B: Unknown if access through adjacent landowner(s) is possible	5B: Maintain for regeneration purposes	Unspecified	Unspecified
<b>Comments:</b> Separated from other state land by a flowage. Access for logging would have to be across private land to the west. Stand is only 2 acres, so just let it succeed to hardwoods.							

## Report 4 – Site Conditions

Traverse City Mgt. Unit

Tim Webb : Examiner

Compartment: 14

Year of Entry: 2023

36	<b>Unavailable</b>	<b>3B: Threatened, endangered, and special concern species</b>	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	<b>Unavailable</b>	<b>2F: Too steep</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



**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
<b>Comments</b>	Spring Wetlands Riparian Area	Riparian Area	<b>Error</b>	5
<b>Comments</b>	Spring Wetlands Riparian Area	Riparian Area	<b>Error</b>	13
<b>Comments</b>	Spring Wetlands Riparian Area	Riparian Area	<b>Error</b>	17
<b>Comments</b> already reviewed at YOE 2013 compartment review	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	228
<b>Unspecified Comments</b>	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	33



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

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
1	6120 - Lowland Cedar	Poletimber Poor	2.5	109	1-50	N/A	Stand is in the Platte River floodplain. Some highbush cranberry and red-osier dogwood along the river bank.																																																
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2	42350 - Upland Hemlock	Sawtimber Well	3.9	115	171-200	N/A	Stand is in the Platte River floodplain. Cedar is concentrated along the river. Scattered yellow and paper birch present. Hemlock is of excellent quality.																																																
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3	4139 - Aspen, Mixed Deciduous	Sawtimber Well	3.4	67		N/A	Stand has some aspen blowdown, is succeeding to sugar maple.																																																
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4	4110 - Sugar Maple Association	Sawtimber Well	7.3	97	111-140	N/A	Good quality sugar maple.																																																
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5	4110 - Sugar Maple Association	Poletimber Medium	4.9	42	51-80	N/A	Hardwoods encroaching into an old field, mainly open-grown cherry with maple regeneration under the cherry. There is a patch of mature sugar maple by the road access point in the southeast corner, and scattered Scotch pine, white pine, and elm pole trees.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.8	101	81-110	N/A	Mixed quality, density stand: generally poor, open grown trees, but a little better on hill in NE part of stand.																																																		
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7	4110 - Sugar Maple Association	Sawtimber Medium	32.9	45	1-50	N/A	2-aged stand, with reasonably well- stocked hardwood saplings under scattered, older open-grown cherry and maple, plus open patches.																																																		
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8	122 - Road/Parking Lot	Nonstocked	2.8		Immature	No	Oakley Road																																																		
9	3301 - Low Density Deciduous Trees	Nonstocked	2.2			No																																																			
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10	42110 - Planted Red Pine	Poletimber Well	26.1	39	171-200	N/A	2011 SI trees: 7.0" 35', 8.1" 37'. 2021 BAs: 160, 180, 220, 140, 180; mean 176.																																																		
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11	4110 - Sugar Maple Association	Sawtimber Well	58.0	101	111-140	N/A	Good quality timber. Patchy distribution of sugar maple saplings. There is a flush of ironwood resulting from the last thinning. Small amount of yellow birch. Beech is in decline. 2021 BAs: 120, 150, 140, 100, 100, 140, 130; mean 126.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>12</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	118.3	101	141-170	N/A	Patches of nice hemlock regeneration in the south end of the stand, plus a few older canopy hemlock. Generally good quality timber. RSH present in SE part of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	44	Log/Pole	10	101
Red Maple	32	Log/Pole	14	
Basswood	2	Log	15	
Beech	10	Log	16	
Bigtooth Aspen	2	Log	12	
Black Cherry	10	Log	15	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	Sapling
Beech	High	Variable	Sapling
Hemlock	Low	Variable	Sapling
Ironwood	Medium	Variable	Sapling

<b>13</b>	310 - Herbaceous Openland	Nonstocked	5.0		Immature	No	Stand is parallel to rights-of-way for Fewins Road & an overhead power line.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	Variable	Seeding
Sugar Maple	Low	>20 feet	Pole
Common Lilac	Trace	10 - 20 feet	Tall Shrub
Deciduous Saplings	Low	Variable	Sapling
Apple (spp.)	Trace	10 - 20 feet	Tall Shrub
Bigtooth Aspen	Trace	>20 feet	Pole
Sugar Maple	Low	>20 feet	Log
Basswood	Trace	>20 feet	Log

<b>14</b>	4110 - Sugar Maple Association	Sawtimber Well	107.6	100	111-140	N/A	Stand is hilly with a steep, mostly inoperable bluff paralleling Valley Road. There are several patches of advanced hardwood regeneration. Density and quality are somewhat variable. Stand includes some small, scattered patches of aspen. 2021 BAs: 100, 140, 120, 140, 130, 180, 110, 70, 110, 90; mean 119.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log/Pole	10	100
Basswood	15	Log/Pole	13	
Beech	3	Log/Pole	12	
Bigtooth Aspen	1	Log	14	
Black Cherry	5	Log/Pole	10	
Ironwood	1	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Beech	High	Variable	Sapling
Hemlock	Low	Variable	Sapling
Ironwood	Full	Variable	Sapling

<b>15</b>	3301 - Low Density Deciduous Trees	Nonstocked	2.8			No	
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Sub-Canopy Species	Density	Avg. Height	Size
Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub
Black Cherry	Medium	>20 feet	Log
Black Cherry	Low	>20 feet	Pole
Sugar Maple	Medium	Variable	Sapling

<b>16</b>	6118 - Lowland Deciduous with Cedar	Poletimber Poor	6.2	65		N/A	Note: stand was not visited in 2021. Stand was dominated by black ash per the 2011 inventory, with q. aspen and cedar, plus small amounts of red maple, white pine, paper birch, and black ash saplings in the understory. Mature ash is presumed dead.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	11.2	56		N/A	Note: stand was not visited in 2021. Dominated by black ash in 2011 inventory, with some basswood, red maple, yellow birch, cedar and hemlock. Ash now presumed dead.
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18	4139 - Aspen, Mixed Deciduous	Sawtimber Well	5.0	93	81-110	N/A	The stand is low, seasonally wet along Valley Road, brushy, with numerous blowdowns. Stand is succeeding to hardwoods.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Pole/Log	9		Ironwood	High	Variable	Sapling
Red Maple	10	Log/Pole	12		Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub
Basswood	2	Log	12		Sugar Maple	Medium	Variable	Sapling
Quaking Aspen	13	Log/Pole	12		Sugar Maple	Medium	>20 feet	Pole
Bigtooth Aspen	40	Log	14	93	Hemlock	Low	>20 feet	Pole
Black Cherry	10	Log/Pole	10					

19	122 - Road/Parking Lot	Nonstocked	3.4			No	Valley Road
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20	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	10.0	95	81-110	N/A	Note: stand was not visited in 2021; data is unchanged from 2011 inventory but changed to an "edge" call.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	55	Pole/Log/Sap	9	95	Sugar Maple	Medium	Variable	Sapling
Red Maple	10	Log/Pole	12		Hemlock	Low	>20 feet	Pole
Beech	2	Log	18		Ironwood	Medium	Variable	Sapling
Bigtooth Aspen	3	Log	16					
Hemlock	15	Log/Pole	14					
Black Cherry	15	Log/Pole	14					

21	4139 - Aspen, Mixed Deciduous	Sawtimber Well	2.1	56	111-140	N/A	A flowage separates this stand from the adjacent aspen stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole/Log	9		Sugar Maple	Low	Variable	Sapling
Red Maple	33	Log	14		Beech	Low	Variable	Sapling
Bigtooth Aspen	50	Log	15	56	Ironwood	Low	Variable	Sapling
Yellow Birch	2	Log	14		Hemlock	Low	>20 feet	Pole

22	4112 - Maple, Beech, Cherry Association	Poletimber Poor	3.1	45	1-50	N/A	This stand was formerly a jack pine plantation. The jack pine is mostly dead now; lots of standing dead/fallen JP. Red maple is taking over.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	93	Pole/Sapling	6	45	Red Maple	Medium	Variable	Sapling
Jack Pine	2	Pole	8	70	Beech	Medium	Variable	Sapling
Black Cherry	5	Log	14		Ironwood	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>23</b>	4130 - Aspen	Sawtimber Medium	27.1	92	81-110	N/A	Collision Creek runs through the stand. Aspen is mostly overmature, but there appears to be some variation in age. There is a lot of phellinus, and aspen is dying out. Low areas along the creek have saturated soil. Scattered yellow birch, basswood, black ash.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	12		Red Maple	Medium	>20 feet	Pole
Red Maple	25	Pole/Log	8		Red Maple	Medium	Variable	Sapling
Quaking Aspen	20	Log/Pole	13		Beech	Low	Variable	Sapling
Bigtooth Aspen	50	Log/XLog	16	92	Northern White Cedar	Low	>20 feet	Pole
Black Cherry	1	Log	12		Hemlock	Medium	>20 feet	Pole
Hemlock	2	Log/XLog	16		Hemlock	Medium	Variable	Sapling
					Ironwood	Medium	Variable	Sapling
					Sugar Maple	Low	Variable	Sapling

<b>24</b>	6220 - Alder/willow	Nonstocked	13.0			No	Note: stand was not visited in 2021; data is unchanged from 2011 inventory.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Osier Dogwood	Low		Tall Shrub
Tag Alder	Low		Tall Shrub
Yellow Birch	Trace		Sapling
Cattail spp.	Low		Non-Wood
Northern White Cedar	Medium		Sapling
Willow spp.	Medium		Tall Shrub
Hemlock	Trace		Sapling
Paper Birch	Trace		Sapling

<b>25</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	12.8	95	51-80	N/A	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Pole/Sap/Log	8	95	Ironwood	High	Variable	Sapling
Red Maple	15	Pole/Sap/Log	8		Sugar Maple	Medium	Variable	Sapling
Basswood	1	XLog/Log	18					
Quaking Aspen	2	Pole	8					
Jack Pine	2	Pole	8	70				
Black Cherry	10	Log/Pole	10					
Ironwood	10	Pole/Sapling	5					

<b>26</b>	3301 - Low Density Deciduous Trees	Nonstocked	2.2		Immature	No	steep hillside
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Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Pole
Witch Hazel	Trace	10 - 20 feet	Tall Shrub
Scotch Pine	Trace	>20 feet	Pole
Deciduous Saplings	Medium	Variable	Sapling
Black Cherry	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
27	4130 - Aspen	Poletimber Well	9.0	27	Immature	N/A	There are a few mature hardwoods along the road.																																																							
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28	6120 - Lowland Cedar	Poletimber Medium	43.6	116		N/A	Riparian, along Platte River. Some areas are fairly open with a significant amount of dead or poor condition cedar. Deer winter cover. Note: stand was not visited in 2021; data is unchanged from 2011 inventory but changed to an "edge" call, and the mature black ash component was deleted.																																																							
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29	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	7.8	91		N/A	Note: stand was not visited in 2021. Dominated by black ash in 2011 inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age is from cedar.																																																							
30	3102 - Grass	Nonstocked	1.4			No																																																								
31	4110 - Sugar Maple Association	Poletimber Medium	7.1	40	1-50	N/A	Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory.																																																							
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32	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	12.4	100	1-50	N/A	Shelterwood cut in fall 2015. Expected to regenerate with mixed hardwoods, becoming 2-aged with time. 2021: filling in reasonably well with cherry in many areas, but regen is mostly beech sprouts at this time.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**33** 4130 - Aspen Poletimber Well 37.1 27 Immature N/A Stand has some remnant mature trees, mostly along Pioneer Rd.: sugar maple, red maple, black cherry, & quaking aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	14		Sugar Maple	Medium	Variable	Sapling
Quaking Aspen	22	Pole/Sapling	5	27	Ironwood	High	Variable	Sapling
Bigtooth Aspen	45	Pole/Sapling	6	27	Pin Cherry	Medium	Variable	Sapling
Black Cherry	5	Pole/Sapling	7					
Pin Cherry	20	Pole/Sapling	5					
Sugar Maple	3	Sapling/Pole	3					
Red Maple	3	Sapling/Pole	4					

**34** 3301 - Low Density Deciduous Trees Nonstocked 3.2 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Log
Sugar Maple	Medium	Variable	Sapling
Red Oak	Trace	>20 feet	Pole
Red Maple	Low	>20 feet	Pole
Quaking Aspen	Trace	>20 feet	Pole
Black Cherry	Low	>20 feet	Pole
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub
Sugar Maple	Low	>20 feet	Pole

**35** 42290 - Natural Mixed Pine Sapling Medium 5.6 13 Immature N/A Mature planted white pines on the perimeter.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	16	60	Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub
Black Cherry	25	Sapling	2		White Pine	Medium	< 5 feet	Seeding
White Pine	40	Sapling	1	13				
Jack Pine	25	Sapling	3					

**36** 4110 - Sugar Maple Association Sawtimber Well 20.5 87 81-110 N/A BA variable, average about 95.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Log/Pole	10	87	Sugar Maple	Low	>20 feet	Sapling
Basswood	1	Log	14		Beech	Medium	Variable	Sapling
Beech	15	Log/Pole/XLog	16		Ironwood	High	Variable	Sapling
Black Cherry	1	Log	16					
Red Maple	3	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	3.1	50	81-110	N/A	Wolfy open-grown white pine, cherry. Scattered old apple trees, birches.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	65	XLog	24	50	Apple (spp.)	Trace	10 - 20 feet	Tall Shrub
Quaking Aspen	10	Pole	9		Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Pole	8		White Pine	Low	Variable	Sapling
Black Cherry	20	Pole/Log	9					

38	122 - Road/Parking Lot	Nonstocked	0.3	0	Unspecified	No	Pioneer Road
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39	4110 - Sugar Maple Association	Poletimber Medium	1.8	48	51-80	N/A	This is a small parcel with hardwood poletimber on a steep hillside and an open field at the top of the hill.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Pole/Log/Sap	7	48	Ironwood	Medium	Variable	Sapling
Basswood	4	Log	14		Beech	Low	Variable	Sapling
Bigtooth Aspen	10	Pole	8					
White Pine	2	Pole	8					
Ironwood	4	Pole	6					

40	6233 - Wet Meadow	Nonstocked	1.6		Unspecified		gas pipeline R.O.W.
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Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Trace		Tall Shrub
Cattail spp.	Low		Non-Wood
Tag Alder	Medium		Tall Shrub

41	310 - Herbaceous Openland	Nonstocked	1.1		Unspecified		gas pipeline R.O.W.
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42	4110 - Sugar Maple Association	Sawtimber Medium	7.6	100	51-80	N/A	Stand has mostly low quality, multi-stemmed sugar maple.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Log/XLog/Pole	13	100	Sugar Maple	Low	Variable	Sapling
Jack Pine	10	Pole/Sapling	5		Beech	Medium	Variable	Sapling
Black Cherry	10	Log/Pole	12		Jack Pine	Low	Variable	Sapling
					Ironwood	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**43**      4130 - Aspen      Poletimber Medium      58.8      27      Immature      N/A      Scattered residual hardwoods, mostly sugar maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	14		Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	60	Pole/Sapling	5	27	Pin Cherry	Medium	10 - 20 feet	Sapling
Black Cherry	15	Sapling/Pole	4	27	Ironwood	Low	Variable	Sapling
Sugar Maple	3	Sapling	2		Beech	Low	Variable	Sapling
Ironwood	5	Sapling	2					
Pin Cherry	15	Sapling/Pole	3	27				

**44**      3102 - Grass      Nonstocked      8.1      Unspecified      42111 - Planted Red Pine, Mixed Deciduous      Mixed pines = jack, white. Trenched fall 2016, planted spring 2017, regen check 2018, per Salo: Cherry and white pine are over 20' tall, concentrated in east 1/2 of the stand. Despite competition, planted RP is growing very well. 2019 regen check: Mostly open west side, fades into partial cover of mostly pole-sized mixed cover. Much of the RP competition is either healthy advanced WP saplings (acceptable), or pole-sized pine/maple/cherry, which would need to be cut down to remove from competition. These are better just left for diversity; allowing whatever RP can grow up through their shade. 9% mortality on RP seedlings, 75% free to grow.

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Pole
Jack Pine	Low	>20 feet	Sapling
Sugar Maple	Low	>20 feet	Pole
Deciduous Saplings	Trace	Variable	Sapling
Red Pine	Low	< 5 feet	Seeding
White Pine	Low	Variable	Sapling
Juniper	Trace	< 5 feet	Tall Shrub

**45**      42220 - Natural Jack Pine      Sapling Well      32.8      15      Immature      N/A      Dog-hair thick JP regen; small number of JP poles around the rim of a kettle depression in NE part of the stand remaining from original harvested plantation.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Black Cherry	Low	< 5 feet	Seeding
Beech	5	Sapling/Pole	3		Beech	Medium	Variable	Sapling
Jack Pine	87	Sapling/Pole	3	15				
Black Cherry	3	Sapling/Pole	3					

**46**      4110 - Sugar Maple Association      Poletimber Medium      15.1      50      1-50      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	75	Pole/Sap/Log	5	50	Sugar Maple	Medium	Variable	Sapling
Red Maple	10	Pole/Log/Sap	7					
Beech	5	Pole/Log/Sap	6					
Black Cherry	10	Pole/Log/Sap	7					

**47**      310 - Herbaceous Openland      Nonstocked      2.8      Immature      No      frost hole

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Trace	Variable	Sapling
Pines (spp.)	Trace	Variable	Sapling
Black Cherry	Low	>20 feet	Pole
Red Maple	Low	>20 feet	Log
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	16.8	130		N/A	Some red pine is on the upland bank along Goose Road; stand slopes downward from there toward the river. Note: stand was not visited in 2021.
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49	4110 - Sugar Maple Association	Sawtimber Well	62.4	95	111-140	N/A	Several draws cut through the stand; steep hillsides. Note: stand was not visited in 2021; data is unchanged from 2011 inventory but changed to an "edge" call, and ash component deleted.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	88	Log/Pole	13	95
Basswood	5	Log/Pole/XLog	15	
Beech	3	XLog/Log	22	
Hemlock	2	Log	17	
Black Cherry	2	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	Pole
Sugar Maple	Medium	Variable	Sapling
Hemlock	Low	>20 feet	Pole
Ironwood	Low	Variable	Sapling

50	3303 - Mixed Low Density Trees	Nonstocked	7.1		Immature	No	Stand is in a little valley. Mixed hardwoods in patches: mostly sugar maple, some cherry, beech. Aspen is scraggly. Filling in with JP and moving to a forested type.
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Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	Low	>20 feet	Pole
Deciduous Saplings	Low	Variable	Sapling
Jack Pine	Trace	>20 feet	Pole
Black Cherry	Low	>20 feet	Log
Red Maple	Low	>20 feet	Pole
Honeysuckle (spp.)	Trace	< 5 feet	Tall Shrub

51	4110 - Sugar Maple Association	Sawtimber Medium	10.0	100	81-110	N/A	Select cut fall 2015.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	82	Log/Pole/XLog	12	100
Basswood	15	Log/Pole/XLog	14	
Beech	3	XLog/Log	20	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Sapling
Sugar Maple	Low	>20 feet	Sapling
Ironwood	High	< 5 feet	Seeding
Beech	Low	Variable	Sapling

52	4112 - Maple, Beech, Cherry Association	Sawtimber Well	27.6	94	81-110	N/A	Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but predominantly beech and ironwood. 2021 BA about 80.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Pole/Log	9	
Red Maple	65	Log/Pole	13	94
Bigtooth Aspen	5	Log/Pole	12	
Black Cherry	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	>20 feet	Sapling
Beech	High	Variable	Sapling
Hemlock	Low	10 - 20 feet	Sapling
Ironwood	High	Variable	Sapling

53	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.0	100	81-110	N/A	Old cherry is dying out.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	58	Log/Pole	10	100
Red Maple	25	Pole/Log/Sap	7	
Black Cherry	15	Log	14	
Quaking Aspen	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Red Maple	Medium	Variable	Sapling
Sugar Maple	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
54	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	22.2	96	81-110	N/A	Patchy distribution of trees, some open gaps, some regen patches. BA quite variable. Generally low quality, many multi-stemmed trees. The snowmobile trail runs through this stand along Pioneer Road. 2021 BAs: 80, 120, 70, 170, 70; mean 102.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Sugar Maple	65	Log/Pole	10	96	
		Red Maple	20	Log/Pole	13		
		Bigtooth Aspen	5	Log/Pole	12		
		Black Cherry	10	Log/Pole	10		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Sugar Maple	Medium	Variable	Sapling		
		Beech	Medium	Variable	Sapling		
		Ironwood	Low	Variable	Sapling		
55	3103 - Rubus-Fern	Nonstocked	20.1	Immature		Managed Opening	Formerly low-density trees; whole-tree clearcut in fall 2015 for opening maintenance. Some skids of small hemlocks from adjacent hardwood stand were placed at the edge of this opening for wildlife brush piles. There has been some ORV damage on slopes.
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Red Maple	Low	>20 feet	Log		
		Common Or Ground Juniper	Trace	< 5 feet	Tall Shrub		
		Pines (spp.)	Trace	Variable	Sapling		
		Black Cherry	Low	>20 feet	Log		
		Sugar Maple	Low	>20 feet	Log		
		Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub		
		Sugar Maple	Low	Variable	Sapling		
		Black Cherry	Low	10 - 20 feet	Sapling		
		Beech	Low	< 5 feet	Seeding		
56	3103 - Rubus-Fern	Nonstocked	2.9			No	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Jack Pine	Trace	>20 feet	Pole		
		Quaking Aspen	Trace	>20 feet	Sapling		
		Black Cherry	Low	>20 feet	Pole		
		Deciduous Saplings	Trace	Variable	Sapling		
57	4130 - Aspen	Sapling Well	2.8	15	Immature	N/A	
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Sugar Maple	5	Pole/Sapling	6		
		Bigtooth Aspen	90	Sapling	2	15	
		Black Cherry	5	Sapling/Pole	3	15	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Jack Pine	Low	5 - 10 feet	Sapling		
		Black Cherry	Medium	Variable	Seeding		
		Sugar Maple	Low	Variable	Sapling		
		Beech	Medium	Variable	Sapling		
58	42110 - Planted Red Pine	Sawtimber Well	2.4	71	201+	N/A	Part of stand east of road was thinned in 2005. 2021 note: at the time of inventory, this stand was still under an uncompleted sale contract, so the stand data was not updated.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Red Pine	100	Log/Pole	10	71	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Deciduous Saplings	Low	Variable	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	4112 - Maple, Beech, Cherry Association	Poletimber Medium	35.1	95	81-110	N/A	Whole-tree thinned in fall 2015. [2011 comments: Low to medium quality timber, numerous multi-stemmed trees. The snowmobile trail runs through this stand on Pioneer Rd.]
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		53	Pole/Log	9	95	Beech	
Red Maple		40	Log/Pole	12		Ironwood	
Quaking Aspen		2	Pole/Log	8		Black Cherry	
Black Cherry		5	Pole/Log	9		Density	
						Avg. Height	
						Size	
60	4117 - Mixed N. Hardwood - Pine	Poletimber Poor	11.6	60	1-50	N/A	Old field filling in with mixed hardwoods and pines.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		40	Pole/Sap/Log	7	60	Sugar Maple	
Black Cherry		20	Pole/Log	8		Jack Pine	
Jack Pine		35	Pole/Sapling	6	32	White Pine	
White Pine		3	Log/Pole	12		Beech	
Beech		2	Pole	7		Density	
						Avg. Height	
						Size	
61	122 - Road/Parking Lot	Nonstocked	1.3			No	Goose Road
62	4130 - Aspen	Sawtimber Well	3.6	71		N/A	North end of stand is open hardwoods, steep. 2021 note: at the time of inventory, this stand was still under an uncompleted sale contract, so the stand data was not updated.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Ash		2	Pole/Log	8		Ironwood	
Quaking Aspen		10	Log/Pole	12		Deciduous Saplings	
Bigtooth Aspen		80	Log	12	71	Density	
White Pine		5	Log/Pole	12		Avg. Height	
Black Cherry		3	Log/Pole	10		Size	
63	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	3.4	60	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Jack Pine		67	Pole/Log	9	60	Sugar Maple	
Sugar Maple		30	Pole/Log/Sap	8		Beech	
Black Cherry		1	Log	12		Ironwood	
Red Maple		2	Log/Pole	10		Density	
						Avg. Height	
						Size	
64	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	132.1	101	81-110	N/A	Whole-tree selection harvest fall 2015.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Sugar Maple		35	Log/Pole	10	101	Beech	
Red Maple		50	Log	14	101	Hemlock	
Beech		3	XLog/Log/Pole	18		Ironwood	
Bigtooth Aspen		2	Log	12		Blackberry/Raspberry	
Black Cherry		10	Log/Pole	13		Black Cherry	
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
65	310 - Herbaceous Openland	Nonstocked	2.2			No	Pipeline ROW and highway shoulder.																																						
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66	4112 - Maple, Beech, Cherry Association	Sapling Medium	13.3	40	1-50	N/A	Former jack pine plantation has mostly died off, releasing the well-stocked red maple understory. The snowmobile trail abuts this stand. Lots of JP snags and slash.																																						
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67	4110 - Sugar Maple Association	Sawtimber Poor	27.4	81	51-80	N/A	Northeast and south parts of original stand were clearcut in 2015, and are now separate stands 200 & 201. [2011 comments: Some scattered red and white pine, honeysuckle; aspen is in scattered clones, mostly at the south end; jack pine also is mainly in the south end. Cherry is open-grown, low quality. Good game habitat.]																																						
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70	4130 - Aspen	Sapling Medium	25.9	15	Immature	N/A	The stand has scattered young jack and red pine, juneberry, and residual red maple saplings and poles. Stand is reasonably well stocked with aspen, but there are some open patches, which may eventually fill in.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>71</b>	3302 - Low Density Conifer Trees	Nonstocked	8.4		Immature	No	Old county gravel pit, furrowed and planted to JP in 2007; fill in planted with RP in 2009. Delineated stand includes a stretch of Pioneer Road. This stand has been updated from a field evaluation for a project on free to grow red pine.	
				<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>		<b>Size</b>
				Jack Pine	Low	Variable		Pole
				Quaking Aspen	Low	>20 feet		Pole
				Jack Pine	Medium	Variable		Sapling
				Quaking Aspen	Trace	Variable		Sapling
				Red Pine	Trace	5 - 10 feet		Sapling
				Honeysuckle (spp.)	Trace	< 5 feet		Tall Shrub
				Black Cherry	Trace	>20 feet	Pole	

<b>72</b>	42120 - Planted Jack Pine	Poletimber Medium	3.4	70		N/A	This stand was part of a larger JP plantation harvested in 2006. This residual strip was purposely left to thwart illegal ORV use in the adjacent abandoned gravel pit. Planted JP is dying out, being replaced by JP volunteer saplings.		
				<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>		<b>DBH</b>	<b>Age</b>
				Jack Pine	95	Pole/Sapling		6	70
				Black Cherry	4	Pole/Log		8	
				Red Pine	1	Log	11		
				<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				Jack Pine	Medium	Variable	Sapling		

<b>73</b>	4110 - Sugar Maple Association	Poletimber Well	27.3	81	81-110	N/A	2021 BAs: 60, 140, 100, 90, 60, 50, 110; mean 87. Scattered older aspen. Some mortality in cherry.		
				<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>		<b>DBH</b>	<b>Age</b>
				Sugar Maple	75	Pole/Log		8	81
				Red Maple	10	Log/Pole		12	
				Black Cherry	15	Pole/Log		9	
				<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				Sugar Maple	Low	>20 feet	Sapling		
				Ironwood	Medium	Variable	Sapling		
				Beech	Low	Variable	Sapling		

<b>74</b>	4319 - Mixed Upland Forest	Poletimber Medium	1.3	80	51-80	N/A		
				<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>
				Sugar Maple	10	Pole/Sapling	6	
				Red Pine	30	Pole	7	35
				Jack Pine	25	Pole	7	
				Black Cherry	35	Log/Pole	10	80
				<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
				Sugar Maple	Low	Variable	Sapling	
				Pines (spp.)	Low	Variable	Sapling	
				Serviceberry (Juneberry)	Low	>20 feet	Tall Shrub	
				Apple (spp.)	Low	10 - 20 feet	Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>75</b>	3303 - Mixed Low Density Trees	Nonstocked	7.0		Immature	Managed Opening	Pines thicker along west side.																																																
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<b>76</b>	42220 - Natural Jack Pine	Sapling Well	19.9	15	Immature	N/A	Planted to red pine in 2007, but volunteer jack pine is dominating the regeneration. Most of the RP is overtopped.																														
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<b>77</b>	3301 - Low Density Deciduous Trees	Nonstocked	3.8		Immature	No	
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<b>78</b>	4110 - Sugar Maple Association	Sawtimber Medium	9.7	98	1-50	N/A	Open grown hardwoods are gradually reforesting this site. Small amount of a red pine plantation on adjacent private land extends into the west edge of this stand.																				
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Black Cherry	6	Pole/Log	8																								

<b>79</b>	4110 - Sugar Maple Association	Poletimber Well	22.5	88	111-140	N/A	Almost totally sugar maple; just a few scattered basswood, pine, and beech.																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>80</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.1	100	111-140	N/A	2021 BA about 125.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Log/Pole	11	
Red Maple	60	Log/Pole/XLog	14	100
Beech	10	Log/XLog	17	
White Pine	4	Log	11	
Black Cherry	6	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	Sapling
Beech	High	Variable	Sapling
Ironwood	High	Variable	Sapling

<b>81</b>	4112 - Maple, Beech, Cherry Association	Poletimber Poor	20.8	100	1-50	N/A	Whole-tree shelterwood cut in fall 2015. [2011 comments: Aspen is in scattered clones. Older maple is of low quality, mostly multi-stemmed.]
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Log	14	
Red Maple	80	Pole/Sap/Log	9	100
Black Cherry	10	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	Trace	5 - 10 feet	Sapling
Beech	Low	Variable	Sapling

<b>82</b>	3303 - Mixed Low Density Trees	Nonstocked	1.1		Immature	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Pole
Sugar Maple	Trace	Variable	Sapling
Red Pine	Low	>20 feet	Pole
Sugar Maple	Trace	>20 feet	Pole
Red Pine	Trace	10 - 20 feet	Sapling

<b>83</b>	310 - Herbaceous Openland	Nonstocked	1.5			No	
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Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	>20 feet	Pole
Deciduous Saplings	Trace	Variable	Sapling
Black Cherry	Low	>20 feet	Pole
Red Maple	Low	>20 feet	Pole

<b>84</b>	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	77.9	40	51-80	N/A	Stand has patchy aspen clones and scattered mature hardwoods serving as a nurse crop for fairly well-stocked maple regeneration. Aspen has some variation in age, mainly +/- 60, and is declining, maple is taking over. Hemlock is concentrated in the SW finger of the stand. Cherry is generally old, low quality.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	30	Pole/Sap/Log	8	
Red Maple	30	Pole/Log/Sap	8	40
Quaking Aspen	25	Pole/Log	9	61
Bigtooth Aspen	5	Log/Pole	12	66
Black Cherry	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	Variable	Sapling
Hemlock	Trace	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Beech	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
85	310 - Herbaceous Openland	Nonstocked	1.5			No																																			
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86	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	23.5	14	1-50	N/A	This former jack pine plantation was cut in 2007 and replanted to red pine in 2008. Residual hardwood saplings and poles cover much of the stand, but the long-term intention is for pine. Jack pine is dominating the regeneration. There are 2 inclusions, one in the NW corner of the stand (immature hardwoods with some mature aspen), and one in the SW corner (mature hardwoods).																																		
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Jack Pine	60	Sapling	2	14																																					
87	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	11.0	70	111-140	N/A	Stand was thinned in 2007.																																		
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88	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	14.0	81	111-140	N/A	White pine patches were thinned in 2007; thick red maple regen in some thinned areas. 2021 BAs: 180, 180, 140, 150, 120, 70, 120, 120; mean 135.																																		
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89	4112 - Maple, Beech, Cherry Association	Poletimber Poor	7.4	98	1-50	N/A	Shelterwood cut fall 2015, starting to fillin. Stand may develop into a 2-aged or multi-aged structure, with aspen, mixed hardwoods, and white pine regeneration. [2011 comments: The stand is a mosaic of mature aspen, older hardwoods, and younger patches of sapling/pole maple. Much of the older maple is multi-stemmed, lower quality.]																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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90 3301 - Low Density Deciduous Trees Nonstocked 1.7 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Trace	>20 feet	Pole
Black Cherry	Low	>20 feet	Pole
Sugar Maple	Trace	>20 feet	Log
Deciduous Saplings	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling
Sugar Maple	Low	>20 feet	Pole

91 3303 - Mixed Low Density Trees Nonstocked 13.6 Immature No

Clearcut fall 2015; scattered mature cherry and maple sapling clumps retained. Filling in naturally with JP, red maple, pin and black cherry, and some aspen. Maple is heavily browsed, but a few are making it past the deer.

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Trace	>20 feet	Log
Red Maple	Low	>20 feet	Pole
Aspen (spp.)	Trace	5 - 10 feet	Sapling
Red Maple	Low	< 5 feet	Seeding
Jack Pine	Medium	< 5 feet	Seeding
Pin Cherry	Medium	< 5 feet	Seeding
Black Cherry	Low	Variable	Sapling

92 4112 - Maple, Beech, Cherry Association Sawtimber Medium 2.7 100 81-110 N/A

Generally low quality hardwoods, numerous multi-stemmed trees.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Log/Pole	13	100
Red Maple	45	Log/Pole	13	
Beech	3	XLog	20	
Bigtooth Aspen	4	Log	15	
Black Cherry	3	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	High	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Sugar Maple	Low	Variable	Sapling

93 4130 - Aspen Sawtimber Well 3.3 61 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	8	Pole/Log	9	
Bigtooth Aspen	92	Log/Pole	11	61

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Beech	Medium	Variable	Sapling

94 42110 - Planted Red Pine Poletimber Well 1.5 45 201+ N/A

This stand is a private land plantation that extends onto state land; 8-9 rows on state side.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Pole	8	45

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	5 - 10 feet	Sapling
Beech	Low	Variable	Sapling
Ironwood	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>95</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	93.9	90	81-110	N/A	This stand is a mosaic of aspen patches, some with advanced maple regeneration, and patches of mature hardwoods, much of which is multi-stemmed. There are some mature white pines in the east end of the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		20	Log/Pole	13	90	Ironwood		High	Variable	Sapling	
Red Maple		40	Log/Pole	11	90	Sugar Maple		Medium	Variable	Sapling	
Quaking Aspen		15	Pole/Log	9	54	Beech		Low	Variable	Sapling	
Bigtooth Aspen		10	Log/Pole	13	54						
Black Cherry		10	Log/Pole	12							
Beech		5	Log/Pole	12							

<b>96</b>	3301 - Low Density Deciduous Trees	Nonstocked	10.7			No	
Sub-Canopy Species		Density	Avg. Height	Size			
Black Cherry		Low	>20 feet	Pole			
Serviceberry (Juneberry)		Trace	10 - 20 feet	Tall Shrub			
Pines (spp.)		Trace	Variable	Sapling			
Sugar Maple		Trace	>20 feet	Sapling			
Quaking Aspen		Trace	>20 feet	Pole			
Black Cherry		Trace	>20 feet	Log			
Deciduous Saplings		Trace	Variable	Sapling			

<b>97</b>	3301 - Low Density Deciduous Trees	Nonstocked	57.1		Immature	Managed Opening	26 acres (south of Oakley, west of Haze Rd.) had mature deciduous trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump sprouts.	
Sub-Canopy Species		Density	Avg. Height	Size				
Black Cherry		Trace	>20 feet	Log				
Serviceberry (Juneberry)		Trace	10 - 20 feet	Tall Shrub				
Black Cherry		Low	>20 feet	Pole				
Sugar Maple		Low	>20 feet	Log				
Blackberry/Raspberry		Trace	< 5 feet	Tall Shrub				
Quaking Aspen		Trace	>20 feet	Pole				
Sugar Maple		Low	Variable	Sapling				
Pines (spp.)		Trace	Variable	Sapling				
Beech		Trace	Variable	Sapling				
Red Maple		Trace	>20 feet	Pole				
Black Cherry		Low	Variable	Sapling				
Quaking Aspen		Trace	Variable	Sapling				

<b>98</b>	4130 - Aspen	Sapling Well	25.9	17	Immature	N/A	The stand has some scattered remnant black cherry and maple pole timber.	
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen		5	Sapling	3	17			
Bigtooth Aspen		90	Sapling	3	17			
Black Cherry		5	Sapling/Pole	3				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**99** 4130 - Aspen Sapling Well 11.4 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Beech	Low	5 - 10 feet	Sapling
Quaking Aspen	58	Sapling/Pole	4	25	Black Cherry	High	Variable	Sapling
Bigtooth Aspen	15	Sapling/Pole	4	25	Ironwood	Low	Variable	Sapling
White Pine	5	Log/Pole	11					
Jack Pine	2	Sapling	4					
Black Cherry	15	Sapling	3	25				

**100** 4119 - Mixed Northern Hardwoods Poletimber Well 2.3 62 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	10		Sugar Maple	Medium	Variable	Sapling
Red Maple	65	Pole/Log/Sap	8	62	Beech	Low	Variable	Sapling
Quaking Aspen	2	Pole	9		Ironwood	High	Variable	Sapling
Bigtooth Aspen	15	Log/Pole	12					
Black Cherry	3	Log/Pole	12					
Ironwood	5	Pole/Sapling	5					

**101** 4116 - Mixed N. Hardwood - Aspen Poletimber Well 3.6 40 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole/Log/Sap	8		Sugar Maple	Low	Variable	Sapling
Red Maple	50	Pole/Sap/Log	6	40	Red Maple	Medium	Variable	Sapling
Quaking Aspen	23	Pole	8	60	Beech	Low	Variable	Sapling
Black Cherry	5	Log	12		Ironwood	High	Variable	Sapling
Ironwood	5	Sapling/Pole	4					
White Pine	2	Log	12					

**102** 4123 - Red Oak Sawtimber Medium 2.0 69 81-110 N/A Successful red oak plantation, good quality. Thinned in 2013.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	96	Log/Pole	10	69	Beech	Medium	5 - 10 feet	Sapling
Red Pine	4	Pole	8	69	Red Pine	Medium	10 - 20 feet	Sapling

**103** 42111 - Planted Red Pine, Mixed Deciduous Poletimber Poor 5.0 69 1-50 N/A Stand was a mature JP plantation, cut in 2013 following major storm damage in March, 2012. Scattered oak and red pine were retained.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	70	Pole/Log/Sap	8	69	Jack Pine	Medium	5 - 10 feet	Sapling
Red Oak	30	Log/Pole	10	69	Beech	High	Variable	Sapling
					Scotch Pine	Trace	Variable	Sapling
					Black Cherry	Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**105**      4139 - Aspen, Mixed Deciduous      Sawtimber Well      12.6      62      111-140      N/A      Stand is a patchy mix of hardwoods and good quality bigtooth aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log/Pole	10		Sugar Maple	Medium	Variable	Sapling
Red Maple	25	Log/Pole	13	81	Ironwood	Medium	Variable	Sapling
Beech	2	XLog/Log	18					
Bigtooth Aspen	58	Log	13	62				

**106**      42100 - Planted White Pine      Sawtimber Medium      10.3      70      51-80      N/A      There are a few mature hardwoods along the edge.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	15		Sugar Maple	Full	Variable	Sapling
White Pine	96	Log/Pole	13	70	Beech	Low	Variable	Sapling
Black Cherry	2	Log	14		Black Cherry	Low	Variable	Sapling
					White Pine	Trace	< 5 feet	Seeding

**107**      4319 - Mixed Upland Forest      Poletimber Medium      40.2      69      51-80      N/A      White pine is mostly in a single clump. Hardwood understory varies in density.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole/Sap/Log	6		Sugar Maple	Medium	Variable	Sapling
White Pine	2	Log	13		Red Maple	Medium	Variable	Sapling
Jack Pine	50	Pole	8	69	Beech	Medium	Variable	Sapling
Black Cherry	8	Log/Pole	12					
Red Maple	20	Pole/Sapling	5					

**108**      6117 - Lowland Deciduous, Mixed Coniferous      Sawtimber Well      5.0      113      141-170      N/A      Platte River access

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log	12		Northern White Cedar	Low	Variable	Sapling
Yellow Birch	10	Log/Pole	12		Hemlock	Low	>20 feet	Pole
Quaking Aspen	20	Log/Pole	12		Hemlock	Low	Variable	Sapling
Northern White Cedar	10	Pole/Log	9		Black Ash	Low	Variable	Sapling
Hemlock	30	Log/Pole	13	113	Autumn Olive	Trace	10 - 20 feet	Tall Shrub

**109**      500 - Water      Nonstocked      0.7                No      Platte River



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**110** 3301 - Low Density Deciduous Trees Nonstocked 6.7 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Pole
Blackberry/Raspberry	Trace	< 5 feet	Tall Shrub
Black Cherry	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Log
Quaking Aspen	Trace	>20 feet	Pole
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub
Deciduous Saplings	Medium	Variable	Sapling
White Pine	Trace	10 - 20 feet	Pole

**111** 3103 - Rubus-Fern Nonstocked 2.1 Immature Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Log
Deciduous Saplings	Low	Variable	Sapling
Black Cherry	Low	>20 feet	Log
Quaking Aspen	Low	>20 feet	Pole
Sugar Maple	Low	>20 feet	Log
White Pine	Low	Variable	Sapling
Jack Pine	Trace	Variable	Sapling

**112** 42110 - Planted Red Pine Sawtimber Medium 21.7 69 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	1	XLog	36	
White Pine	2	Pole	9	69
Red Pine	95	Log/Pole	10	69
Black Cherry	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Beech	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Scotch Pine	Trace	10 - 20 feet	Sapling

Big, old sugar maple is concentrated along State Rd. 2010 SI trees: 7.5" 72', 9.1" 71', 9.2" 78'. This 3-part stand was part of a larger plantation that had heavy storm damage in 2012. These patches were thinned after the storm in 2013 to remove damaged and vulnerable trees; the remainder of the original plantation area was more heavily damaged and was clearcut. 2021 BA about 130.

**113** 4116 - Mixed N. Hardwood - Aspen Poletimber Medium 3.8 40 51-80 N/A

Poor quality quaking aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole/Log/Sap	9	98
Quaking Aspen	25	Pole/Log	9	60
Bigtooth Aspen	10	Log	14	
Black Cherry	10	Log	12	
Beech	2	Pole	7	
Red Maple	35	Pole/Sapling	6	40
White Pine	3	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	Variable	Sapling
Red Maple	Medium	Variable	Sapling
Beech	Low	Variable	Sapling
Ironwood	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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114	3301 - Low Density Deciduous Trees	Nonstocked	2.9		Immature	No	Mature hardwoods: black cherry, sugar maple, red maple, basswood; sapling hardwoods: sugar maple, ironwood, red maple.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Deciduous Saplings	Medium	Variable	Sapling
								Quaking Aspen	Trace	>20 feet	Pole
								Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub
								Sugar Maple	Low	>20 feet	Log
								Black Cherry	Low	>20 feet	Log
								White Pine	Low	Variable	Sapling
Jack Pine	Low	Variable	Sapling								

115	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	34.5	95	81-110	N/A	Stand was thinned in winter 2014. 2021 BA about 90.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	30	Pole/Log	9	
								Red Maple	50	Log/Pole	13	95
								Beech	5	XLog	24	
								Quaking Aspen	3	Log	11	
								Black Cherry	12	Log/Pole	12	
Sub-Canopy Species	Density	Avg. Height	Size									
Sugar Maple	Low	Variable	Sapling									
Beech	High	Variable	Sapling									
Ironwood	High	Variable	Sapling									

116	4110 - Sugar Maple Association	Sawtimber Well	40.0	108	111-140	N/A	Stand has occasional hemlock, beech, and elm. Good quality timber. 2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	85	Log/Pole	12	108
								Basswood	6	XLog/Log	18	
								Black Cherry	9	Log/XLog	16	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Ironwood	Low	10 - 20 feet	Sapling	
Beech	Low	Variable	Sapling									
Black Cherry	Low	5 - 10 feet	Sapling									
White Ash	Medium	< 5 feet	Seeding									
Leatherwood	Trace	< 5 feet	Tall Shrub									

117	42110 - Planted Red Pine	Sawtimber Well	10.3	65	141-170	N/A	Stand was thinned in March 2017.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	97	Log/Pole	11	65
								Black Cherry	3	Log/Pole/XLog	16	
								Sub-Canopy Species	Density	Avg. Height	Size	
Beech	Low	Variable	Sapling									
Sugar Maple	Low	Variable	Sapling									
Black Cherry	Medium	Variable	Sapling									

118	3301 - Low Density Deciduous Trees	Nonstocked	2.4			No	Deciduous trees: mostly sugar maple with some black cherry, red maple, and ironwood.				
								Sub-Canopy Species	Density	Avg. Height	Size
								White Pine	Low	5 - 10 feet	Sapling
								Deciduous Saplings	Low	Variable	Sapling
								Sugar Maple	Low	>20 feet	Log
								Sugar Maple	Low	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
<b>119</b>	4110 - Sugar Maple Association	Sawtimber Well	33.4	96	81-110	N/A	Scattered red maple, hemlock. 2021 BAs: 110, 110, 120, 50, 90, 100; mean 97.																																																																		
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<b>120</b>	310 - Herbaceous Openland	Nonstocked	2.5			No	Open road side along U.S. 31 and Goose Road; overhead utility line.																																																																		
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<b>121</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	9.4	94	201+	N/A	Good deer winter cover, but little browse.																																																																		
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<b>122</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	165.9	83	81-110	N/A	Low quality timber, many multi-stemmed trees. Aspen is unevenly distributed. 2021 BAs: 160, 70, 100, 130, 90, 100, 140, 120, 80, 60; mean 105.																																																																		
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<b>123</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.0	85	201+	N/A	Streams run through the stand. Stand has scattered super-canopy white pines, 30"dbh.																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**124** 4119 - Mixed Northern Hardwoods Sawtimber Well 67.2 106 111-140 N/A 2021 BAs: 140, 100, 140, 140, 120, 120, 130; mean 127. Scattered yellow birch and black cherry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	48	Pole/Log	9	106	Sugar Maple	Low	Variable	Sapling
Red Maple	20	Log	14		Beech	High	Variable	Sapling
Basswood	10	Log	14		Hemlock	Low	Variable	Pole
Beech	8	Log/XLog	16		Ironwood	Low	>20 feet	Pole
Bigtooth Aspen	12	Log/Pole/XLog	16		Ironwood	Medium	Variable	Sapling
White Pine	2	XLog/Log	20		White Pine	Low	Variable	Sapling

**125** 3301 - Low Density Deciduous Trees Nonstocked 5.4 Immature No The stand has black cherry, sugar maple, ironwood, elm, junberry, hawthorn, and honeysuckle.

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Pole
Mixed Fruiting Shrubs	Low		Non-Wood
Deciduous Saplings	Medium	Variable	Sapling
White Pine	Trace	>20 feet	Log
Sugar Maple	Low	>20 feet	Pole
White Pine	Trace	< 5 feet	Sapling

**126** 3103 - Rubus-Fern Nonstocked 1.1 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Log
Red Maple	Trace	>20 feet	Pole
Deciduous Saplings	Trace	Variable	Sapling

**127** 42311 - Planted Spruce, Mixed Deciduous Poletimber Medium 7.9 61 111-140 N/A Valley/pond in the northeast corner of the stand. Spruce are quite variable in diameter. Stand was thinned in March 2017. Scattered hemlock and cedar. Some mortality pockets in spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Log/Pole	13		White Spruce	Low	Variable	Sapling
White Spruce	65	Pole/Log	9	61	White Spruce	Low	>20 feet	Pole
White Pine	12	Log/Pole/XLog	16	61				
Black Cherry	6	Pole/Log	9					
Red Maple	2	Log	14					



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

**128**      4319 - Mixed Upland Forest      Sawtimber Well      15.4      97      81-110      N/A

Good deer winter cover, but little browse. A stream runs through the stand. Planted white spruce is in scattered patches. Trace amounts of basswood. About 2/3 of the stand was thinned in March 2017.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	12	
Red Maple	35	Log/Pole/XLog	15	97
Yellow Birch	3	Log	16	
Bigtooth Aspen	1	Log	14	
White Spruce	5	Log/Pole	10	
Hemlock	30	Log/Pole/XLog	16	
Black Cherry	10	Log	14	
Quaking Aspen	1	Log/Pole	12	
Northern White Cedar	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	Pole
Hemlock	Medium	Variable	Sapling
Ironwood	Low	>20 feet	Pole
Black Cherry	Trace	5 - 10 feet	Sapling

**129**      4110 - Sugar Maple Association      Sawtimber Medium      2.2      105      81-110      N/A

Small stand, adjacent to campground entrance.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	93	Log/Pole	12	105
Black Cherry	5	Log/Pole	12	
Ironwood	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
White Ash	Low	Variable	Sapling
Ironwood	High	Variable	Sapling

**130**      3103 - Rubus-Fern      Nonstocked      1.1                No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Trace	>20 feet	Log
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Deciduous Saplings	Low	Variable	Sapling
White Pine	Low	>20 feet	Pole
Red Pine	Trace	>20 feet	Pole

**131**      3301 - Low Density Deciduous Trees      Nonstocked      4.2      Immature      No

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Pole
White Pine	Low	Variable	Sapling
Deciduous Saplings	Low	Variable	Sapling
Black Cherry	Low	>20 feet	Log
Basswood	Trace	>20 feet	Log
Honeysuckle (spp.)	Trace	< 5 feet	Tall Shrub
White Pine	Trace	>20 feet	Log
Hemlock	Trace	>20 feet	Log
Quaking Aspen	Trace	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>132</b>	3103 - Rubus-Fern	Nonstocked	1.6		Immature	No	Trees: basswood, black cherry, sugar maple, ironwood, quaking aspen; fruiting shrubs: juneberry, hawthorn, autumn olive.																															
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<b>133</b>	4130 - Aspen	Poletimber Medium	4.9	43		N/A																																																																	
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<b>134</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	18.1	90	81-110	N/A	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.																																															
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<b>135</b>	3103 - Rubus-Fern	Nonstocked	4.4		Immature	No																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**136** 122 - Road/Parking Lot Nonstocked 1.0 Immature No Goose Road and connecting dirt road

**137** 4110 - Sugar Maple Association Sawtimber Well 3.4 115 111-140 N/A 2021 BA = 110.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Log/Pole	11	115	Sugar Maple	Medium	>20 feet	Sapling
Basswood	5	Log	16		Hemlock	Low	>20 feet	Pole
Bigtooth Aspen	10	Log/XLog	16		Ironwood	Medium	Variable	Sapling
Black Cherry	5	Log/Pole	11		Beech	Low	Variable	Sapling

**138** 310 - Herbaceous Openland Nonstocked 7.0 No Shrubs include black cherry, juneberry, honeysuckle, and hawthorn.

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Fruiting Shrubs	Low		Non-Wood
Black Cherry	Low	>20 feet	Pole
Common Or Ground Juniper	Trace	< 5 feet	Tall Shrub
Rock Elm	Trace	>20 feet	Pole
Red Maple	Trace	>20 feet	Pole
American Elm	Trace	>20 feet	Pole

**139** 6132 - Mixed Lowland Forest with Cedar Sawtimber Medium 22.8 76 141-170 N/A The Platte River and an old RR grade run through the stand. There is a small opening along the east side of the river with a lot of autumn olive and some pole-sized white spruce. Small amounts of balsam poplar, cherry, sugar maple and super canopy white pine. Good deer winter cover, but little browse. QA in decline.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Northern White Cedar	Medium	>20 feet	Pole
Quaking Aspen	45	Log/Pole	13	76	Hemlock	Low	Variable	Sapling
Northern White Cedar	25	Pole/Log	8	107	Autumn Olive	Low	5 - 10 feet	Tall Shrub
Hemlock	20	Pole/Log	9		Hemlock	Low	>20 feet	Pole
Bigtooth Aspen	2	Log	14		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	3	XLog/Log	22					

**140** 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 6.1 57 81-110 N/A Mostly aspen to SW, spruce is concentrated to NE, young maple at SW tip. Scattered old apple trees and fruiting shrubs: juneberry, autumn olive, hawthorn, sumac.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	35	Pole	8	57	Black Cherry	Low	Variable	Sapling
White Spruce	30	Log/Pole	12		Sugar Maple	Low	>20 feet	Sapling
Black Cherry	30	Pole/Log/Sap	8		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Sugar Maple	4	Pole/Sapling	5		White Spruce	Low	Variable	Sapling
White Pine	1	XLog	18					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**141**      4130 - Aspen      Poletimber Well      12.2      38      Unspecified      N/A      The snowmobile trail runs through this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole/Sapling	6		Sugar Maple	Low	Variable	Sapling
Red Maple	3	Pole/Sapling	6		Ironwood	High	Variable	Sapling
Quaking Aspen	33	Pole/Sapling	6	38	White Pine	Low	Variable	Sapling
Bigtooth Aspen	40	Pole/Sapling	7	38				
White Pine	10	Log/Pole/XLog	15					
Black Cherry	2	Pole	7					
Ironwood	2	Pole/Sapling	5					

**142**      4130 - Aspen      Sawtimber Well      9.6      60      81-110      N/A      Riparian area: Platte River floodplain. Stand has scattered elm, red pine, white pine. Cedar and hemlock are concentrated along the river.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	9		Red Maple	Medium	Variable	Sapling
Quaking Aspen	60	Log/Pole	11	60	White Ash	Low	Variable	Sapling
Northern White Cedar	8	Log/Pole	12		Northern White Cedar	Medium	>20 feet	Pole
Hemlock	3	Log/Pole	11		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Cherry	8	Pole/Log	8		Mixed Fruiting Shrubs	Low	Unspecified	Non-Wood
White Ash	1	Pole	6					

**143**      310 - Herbaceous Openland      Nonstocked      1.1      Immature      No

Sub-Canopy Species	Density	Avg. Height	Size
Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub
Black Cherry	Trace	Variable	Sapling
Black Cherry	Low	>20 feet	Pole

**144**      500 - Water      Nonstocked      1.7      No      Platte River

**145**      4110 - Sugar Maple Association      Sawtimber Medium      36.0      80      81-110      N/A      Stand has medium to low quality timber; some small openings; scattered elm, white pine and red maple; and some good patches of sugar maple regeneration. 2021 BAs: 90, 100, 140, 60, 90, 90; mean 95.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log/Pole	10	80	Sugar Maple	Medium	Variable	Sapling
Basswood	33	Log/Pole	13		Ironwood	High	Variable	Sapling
Quaking Aspen	2	Log	11					
Black Cherry	5	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**146** 4116 - Mixed N. Hardwood - Aspen Sawtimber Well 12.8 90 81-110 N/A 2021 BAs: 80, 110, 110, 130; mean 108.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	46	Pole/Log	8	90	Ironwood	High	Variable	Sapling
Red Maple	5	Log/Pole	10		Sugar Maple	Low	>20 feet	Sapling
Basswood	20	Log/Pole	10		White Pine	Low	Variable	Sapling
Quaking Aspen	5	Log/Pole	11	54				
Bigtooth Aspen	15	Log/Pole	13	54				
White Pine	5	Log/Pole	13					
Black Cherry	2	Log/Pole	10					
Ironwood	2	Pole	6					

**147** 4110 - Sugar Maple Association Poletimber Well 3.6 60 81-110 N/A Note: stand was not field visited for 2021 inventory. 2011 data was retained, but switched to "edge" call, ash component deleted, and some diameters increased slightly.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	72	Pole/Log	9	60	Ironwood	Low	Variable	Sapling
Red Maple	3	Pole	9					
Bigtooth Aspen	15	Log/Pole	12					
Black Cherry	10	Log	15					

**148** 3301 - Low Density Deciduous Trees Nonstocked 2.9 Immature No Deciduous trees = ironwood, maple, cherry, and aspen.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Black Cherry	Trace	>20 feet	Pole
White Pine	Trace	>20 feet	Log
Quaking Aspen	Low	>20 feet	Pole
Deciduous Saplings	Low	Variable	Sapling
Basswood	Trace	>20 feet	Log
Sugar Maple	Low	>20 feet	Log

**149** 4130 - Aspen Sapling Well 21.5 17 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log/Pole	12		Black Cherry	Medium	5 - 10 feet	Sapling
Quaking Aspen	55	Sapling	3	17	Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	35	Sapling	3	17	Ironwood	Low	Variable	Sapling
Black Cherry	8	Sapling	3	17				

**150** 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 N/A Small access site at Platte River x Haze Rd.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	7		Northern White Cedar	Low	Variable	Sapling
Yellow Birch	5	Pole/Log	8		Hemlock	Medium	Variable	Sapling
Northern White Cedar	40	Pole/Log	8		Tag Alder	Low	10 - 20 feet	Tall Shrub
Hemlock	50	Log/Pole	12	125				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**151**      4130 - Aspen      Sapling Well      37.3      17      Immature      N/A      2-storied stand: residual white pine over aspen regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Log/Pole	11		Ironwood	High	Variable	Sapling
Quaking Aspen	70	Sapling	2	17	Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	16	Sapling	3	17	Beech	Low	Variable	Sapling
White Pine	10	Log/Pole	12					
Black Cherry	2	Sapling	3	17				

**152**      4130 - Aspen      Sapling Well      14.5      17      Immature      N/A      There are some open patches with only ironwood seedlings, but the rest of the stand is well stocked with aspen regeneration. Scattered residuals: mixed hardwoods and white pine. The small patch of older timber along the south edge of the stand was intended to be left long-term as a residual cover patch for grouse and other wildlife as the surrounding stands are harvested (site condition 5E-17).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log/Pole	12		Ironwood	High	< 5 feet	Seeding
Quaking Aspen	12	Sapling	2	17	Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	80	Sapling	3	17				
White Pine	2	Log/Pole	12					
Ironwood	4	Sapling	1					

**153**      42201 - Natural White Pine, Mixed Deciduous      Sawtimber Well      1.4      75      141-170      N/A      This stand is a cover island left as retention for the surrounding stand cut in 2004.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	10		Sugar Maple	Low	Variable	Sapling
Basswood	10	Log/Pole	10		Ironwood	Medium	Variable	Sapling
Quaking Aspen	10	Log/Pole	13					
White Pine	65	Log/Pole/XLog	15	75				
Black Cherry	5	Log/Pole	12					

**154**      310 - Herbaceous Openland      Nonstocked      1.2      No

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Fruiting Shrubs	Trace		Non-Wood
Deciduous Saplings	Trace		Sapling

**155**      4130 - Aspen      Poletimber Medium      71.6      38      Unspecified      N/A      The stand has scattered elm, basswood, white pine, junberry, and hawthorn.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	4	Pole/Sap/Log	8		Sugar Maple	Low	Variable	Sapling
Red Maple	2	Pole/Sap/Log	7		Ironwood	High	Variable	Sapling
Quaking Aspen	30	Pole	7	38				
Bigtooth Aspen	55	Pole	7	38				
Black Cherry	6	Pole	7					
Ironwood	2	Pole/Sapling	5					
Basswood	1	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**156** 6118 - Lowland Deciduous with Cedar Sawtimber Poor 53.9 65 51-80 N/A There are some old apple trees in the SE lobe of the stand. Patchy distribution of timber, lots of mortality.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Log	9		Northern White Cedar	Low	Variable	Sapling
Yellow Birch	2	Log/Pole	12		Northern White Cedar	Medium	>20 feet	Pole
Basswood	1	Log	13		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	55	Log/Pole	11	65				
Northern White Cedar	25	Pole/Log	9	126				
Hemlock	4	Log/Pole	12					
Balsam Poplar	10	Pole/Log	8	44				
White Pine	1	Log	12					

**157** 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 1.1 75 141-170 N/A This stand is a cover island left as retention for the surrounding stand cut in 2004.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log/Pole	10		White Pine	Low	Variable	Sapling
Basswood	10	Log/Pole	11		Ironwood	High	Variable	Sapling
Quaking Aspen	5	Log	12					
Bigtooth Aspen	10	Log/Pole	11					
White Pine	65	Log/Pole	13	75				
Black Cherry	5	Pole/Log	9					

**158** 4130 - Aspen Poletimber Medium 26.1 38 Unspecified N/A The snowmobile trail runs through this stand. Scattered white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	3	Pole/Sap/Log	7		Black Cherry	Low	5 - 10 feet	Sapling
Red Maple	2	Pole	6		Ironwood	High	Variable	Sapling
Quaking Aspen	28	Pole/Sapling	7	38	Maple (spp.)	Low	Variable	Sapling
Bigtooth Aspen	60	Pole	7	38				
Black Cherry	5	Pole/Sapling	7					
Ironwood	2	Pole/Sapling	5					

**159** 4130 - Aspen Sapling Well 18.1 17 Immature N/A Most of the stand is well stocked. The small patch of older timber in the SE corner is intended to be left long-term as a residual cover patch for grouse and other wildlife as surrounding stands are harvested (site condition 5E-14).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	12		Ironwood	Low	Variable	Sapling
Quaking Aspen	16	Sapling	2	17				
Bigtooth Aspen	80	Sapling	3	17				
White Pine	2	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**160**      4130 - Aspen      Poletimber Poor      57.1      38      N/A      Poorly stocked, brushy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole/Sapling	6		Black Cherry	Medium	Variable	Sapling
American Elm	2	Pole	8		Honeysuckle (spp.)	High	5 - 10 feet	Tall Shrub
Quaking Aspen	63	Pole/Sapling	7	38	Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	10	Pole	8	38	Sugar Maple	Low	Variable	Sapling
Black Cherry	20	Pole/Sapling	7					

**161**      4130 - Aspen      Sapling Medium      14.2      7      Immature      N/A      Clearcut in spring of 2014; scattered residual trees: mostly sugar maple, but also some cherry, basswood, red maple, white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	20	Sapling	1	7	Ironwood	Medium	< 5 feet	Seeding
Black Cherry	10	Sapling	1	7	Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub
Sugar Maple	3	Log	12					
Quaking Aspen	67	Sapling	1	7				

**162**      4130 - Aspen      Poletimber Medium      130.4      34      Immature      N/A      Variable density; some frost pockets.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Pole	7		Black Cherry	High	Variable	Sapling
Quaking Aspen	33	Pole	6	34	Ironwood	Medium	Variable	Sapling
Bigtooth Aspen	55	Pole	7	34	White Pine	Low	Variable	Sapling
White Pine	4	Log/Pole	13					
Black Cherry	4	Pole	7					
Ironwood	2	Pole/Sapling	6					

**163**      4130 - Aspen      Poletimber Medium      21.9      25      Immature      N/A      Much of the stand is well stocked with maple. Consider managing parts of the stand long-term for hardwoods.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	7	Sapling/Pole	3		Sugar Maple	Medium	Variable	Sapling
Quaking Aspen	40	Pole/Sapling	5	25	Black Cherry	Medium	Variable	Sapling
Bigtooth Aspen	45	Pole/Sapling	6	25	Ironwood	High	Variable	Sapling
Black Cherry	6	Sapling/Pole	4		Serviceberry (Juneberry)	Low	Variable	Tall Shrub
Ironwood	2	Sapling	3		Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub

**164**      4110 - Sugar Maple Association      Sawtimber Well      10.8      90      81-110      N/A      2021 BA about 90.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	10	90	Sugar Maple	Low	Variable	Sapling
Red Maple	5	Log/Pole	11		Ironwood	Full	Variable	Sapling
Basswood	33	Log/Pole	11					
Quaking Aspen	5	Log/Pole	12					
Black Cherry	5	Pole/Log	8					
Ironwood	2	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**165** 3301 - Low Density Deciduous Trees Nonstocked 13.8 Immature No The snowmobile trail runs through this stand.

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
Sugar Maple	Trace	>20 feet	Pole
Quaking Aspen	Medium	>20 feet	Pole
White Pine	Low	>20 feet	Log
Black Cherry	Low	>20 feet	Pole
Bigtooth Aspen	Trace	>20 feet	Log
Aspen (spp.)	Low	Variable	Sapling
Ironwood	Trace	>20 feet	Pole
Black Cherry	Low	Variable	Sapling

**166** 4110 - Sugar Maple Association Poletimber Medium 31.5 98 51-80 N/A This stand is a mosaic of mature quaking aspen, older hardwoods, and hardwood regeneration patches. East end is on a steep slope.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Pole/Sap/Log	7	98
American Elm	2	Pole/Log	8	
Basswood	15	Log/Pole	13	
Quaking Aspen	10	Pole/Log	9	64
Black Cherry	8	Log/Pole	11	
Ironwood	5	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	Variable	Sapling
Ironwood	High	Variable	Sapling

**167** 4130 - Aspen Poletimber Medium 22.0 38 N/A The stand has scattered American elm, sugar maple, red maple and rock elm pole-sized trees.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	90	Pole/Sapling	7	38
Bigtooth Aspen	5	Pole	8	38
Black Cherry	3	Pole	7	
Rock Elm	2	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Black Cherry	High	Variable	Sapling
Honeysuckle (spp.)	High	5 - 10 feet	Tall Shrub
Autumn Olive	Trace	5 - 10 feet	Tall Shrub
White Ash	Low	Variable	Sapling

**168** 4130 - Aspen Poletimber Well 1.8 34 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	6	34
Bigtooth Aspen	90	Pole	6	34
White Pine	2	Log/Pole	12	
Black Cherry	3	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Sapling
Ironwood	Low	Variable	Sapling
White Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>169</b>	4130 - Aspen	Sapling Medium	21.4	17	Immature	N/A	Bigtooth aspen is doing better than quaking aspen. Black cherry is slowly filling in areas devoid of aspen regeneration. The small patch of older timber in the NE corner is intended to be left long-term as a residual cover patch for grouse and other wildlife as surrounding stands are harvested (site condition 5E-19).	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		3	Log	12		Black Cherry		
Quaking Aspen		35	Sapling	2	17	Ironwood		
Bigtooth Aspen		50	Sapling	3	17	Honeysuckle (spp.)		
Black Cherry		12	Sapling	2				
<b>170</b>	4110 - Sugar Maple Association	Poletimber Well	15.5	92	111-140	N/A	Fair to good quality sugar maple & basswood; aspen is old and declining. Stand has small amounts of red maple, beech, and ironwood. 2021 BA about 110, variable.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		70	Pole/Log	8	92	Sugar Maple		
Basswood		20	Log/Pole	13		Ironwood		
Bigtooth Aspen		8	Log	14		Ironwood		
Black Cherry		2	Pole	7				
<b>171</b>	4130 - Aspen	Poletimber Medium	30.5	38	Unspecified	N/A	Small amounts of elm and white pine in the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		5	Sapling/Pole	4		Sugar Maple		
Quaking Aspen		55	Pole	7	38	Black Cherry		
Bigtooth Aspen		15	Pole	8	38	Ironwood		
Black Cherry		20	Pole/Sapling	7		Serviceberry (Juneberry)		
Ironwood		5	Sapling/Pole	4		Honeysuckle (spp.)		
<b>172</b>	4130 - Aspen	Poletimber Well	14.1	46		N/A	Much of the stand is on a sidehill. The top of the hill has more hardwoods, the slope and base have more aspen.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		15	Pole/Sapling	6		Sugar Maple		
Red Maple		5	Pole/Sapling	7		Ironwood		
Quaking Aspen		15	Pole/Log	8		Red Maple		
Bigtooth Aspen		55	Pole/Log	8	46			
Black Cherry		5	Pole	8				
Ironwood		5	Sapling/Pole	4				
<b>173</b>	310 - Herbaceous Openland	Nonstocked	3.8			No	Shrubs include hawthorn, juneberry, honeysuckle, black cherry, and autumn olive.	
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Rock Elm		Trace	>20 feet	Log				
Mixed Fruiting Shrubs		Low		Non-Wood				
Black Cherry		Low	>20 feet	Log				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**174** 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Medium 14.6 77 N/A This stand surrounds the Veterans Memorial campground. Riparian area, along the Platte river. Stand is transitional between upland along the highway and lowland along the river floodplain. Scattered yellow birch, white pine, black willow.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log/Pole	12		Northern White Cedar	Low	>20 feet	Pole
American Elm	1	Pole	7		Black Ash	Medium	Variable	Sapling
Red Maple	35	Log/Pole	10	77	Black Cherry	Low	Variable	Sapling
Basswood	8	Log/Pole/XLog	11		Sugar Maple	Low	Variable	Sapling
Quaking Aspen	15	Pole/Log	9		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	15	Pole/Log	8		Beech	Low	Variable	Sapling
Hemlock	10	Log/Pole/XLog	12		Hemlock	Medium	>20 feet	Pole
Black Cherry	1	Log	12		Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub

**175** 310 - Herbaceous Openland Nonstocked 5.0 Immature No This is an abandoned borrow pit, rather sterile. Aspens are of very poor form. Site was furrowed then planted to JP by volunteers, but survival was poor.

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub
Balsam Poplar	Low	Variable	Seeding
Common Or Ground Juniper	Trace	< 5 feet	Tall Shrub
Quaking Aspen	Low	Variable	Sapling
Scotch Pine	Trace	10 - 20 feet	Pole
Jack Pine	Low	Variable	Sapling

**176** 4139 - Aspen, Mixed Deciduous Sapling Medium 23.2 17 Immature N/A The stand is moderately stocked, slowly filling in. Open patches that did not regenerate with aspen are filling in with black cherry seedlings and stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	16		Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub
Quaking Aspen	40	Sapling	2	17	Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Black Cherry	40	Sapling	2	17				
Sugar Maple	8	Sapling	2					
Bigtooth Aspen	10	Sapling	2	17				

**177** 4139 - Aspen, Mixed Deciduous Poletimber Poor 9.3 38 N/A This stand is a heterogenous mix of aspen poles, older open-grown hardwoods, and open patches. Poor timber, very brushy, good game habitat. There are some scattered basswood, rock elm, and balsam poplar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	8	Log	16		Black Cherry	Low	Variable	Sapling
American Elm	5	Pole	7		Honeysuckle (spp.)	High	5 - 10 feet	Tall Shrub
Rock Elm	2	Pole	6		Ironwood	Low	Variable	Sapling
Quaking Aspen	45	Pole	8	38	Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Black Cherry	40	Pole/Log/Sap	9	61				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**178** 310 - Herbaceous Openland Nonstocked 2.7 No

Sub-Canopy Species	Density	Avg. Height	Size
Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub
Black Cherry	Low	>20 feet	Pole
Rock Elm	Trace	>20 feet	Pole
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub

**179** 3103 - Rubus-Fern Nonstocked 2.1 No Fruiting shrubs include juneberry, honeysuckle, and hawthorn.

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Deciduous Saplings	Low	Variable	Sapling
Black Cherry	Low	>20 feet	Log
Red Maple	Trace	>20 feet	Pole
Scotch Pine	Trace	Variable	Sapling
Mixed Fruiting Shrubs	Low		Non-Wood
Quaking Aspen	Low	>20 feet	Pole

**180** 4139 - Aspen, Mixed Deciduous Sawtimber Medium 4.9 60 51-80 N/A Veteran's Memorial Campground

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Log/Pole	12	
American Elm	2	Pole	7	
Red Maple	15	Log/Pole	11	
Basswood	7	Log/Pole/XLog	15	
Quaking Aspen	50	Pole/Log	8	60
White Spruce	6	Log/Pole	11	
Northern White Cedar	5	Log	10	
Black Cherry	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Northern White Cedar	Low	>20 feet	Pole
Ironwood	Low	Variable	Sapling
White Ash	Low	Variable	Sapling
Honeysuckle (spp.)	Trace	< 5 feet	Tall Shrub

**181** 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	>20 feet	Log
Common Or Ground Juniper	Trace	< 5 feet	Tall Shrub
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Deciduous Saplings	Trace	Variable	Sapling
Black Cherry	Medium	>20 feet	Pole
Mixed Fruiting Shrubs	Trace		Non-Wood
Quaking Aspen	Low	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>182</b>	4130 - Aspen	Poletimber Medium	7.5	38		N/A	Stand has scattered elm, maple, ash and white pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	80	Pole	7	38	Black Cherry	Low	Variable	Sapling
Bigtooth Aspen	10	Pole/Sapling	7	38	Ironwood	Low	Variable	Sapling
Black Cherry	7	Pole	7	38	Honeysuckle (spp.)	High	5 - 10 feet	Tall Shrub
Red Maple	3	Pole	7		Sugar Maple	Low	Variable	Sapling
					Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling

<b>183</b>	500 - Water	Nonstocked	2.0			No	Platte River
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<b>184</b>	3301 - Low Density Deciduous Trees	Nonstocked	1.8	0	Immature	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Locust	Low	10 - 20 feet	Sapling
Black Locust	Medium	>20 feet	Pole
Autumn Olive	Low	5 - 10 feet	Tall Shrub
Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub
Juniper	Low	< 5 feet	Tall Shrub
American Elm	Trace	>20 feet	Pole
Sugar Maple	Trace	>20 feet	Pole
Basswood	Trace	>20 feet	Log

<b>185</b>	4130 - Aspen	Sawtimber Well	28.0	65		N/A	Stand is on a steep bluff along the west side of the Platte River. South 2/3 mostly aspen, north 1/3 mostly hardwood. Scattered elm, juneberry, q. Aspen. Some cedar along the river.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	12		Sugar Maple	Low	>20 feet	Sapling
Red Maple	15	Log/Pole	13	94	Sugar Maple	Low	>20 feet	Pole
Basswood	5	Log/Pole	12		White Pine	Low	Variable	Sapling
Bigtooth Aspen	67	Log/Pole	13	65	Ironwood	Medium	Variable	Sapling
White Pine	3	Log/XLog/Pole	14		Beech	Low	Variable	Sapling

<b>186</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	8.8	79		N/A	Riparian - along Platte River. Sparser with standing dead trees in middle part of stand. Note: stand was not field visited for 2021 inventory. 2011 data was retained, but switched to "edge" call, and ash component deleted.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log/Pole	10		Northern White Cedar	Medium	>20 feet	Pole
Yellow Birch	6	Pole/Log	8		Hemlock	Medium	Variable	Sapling
Quaking Aspen	35	Log/Pole	10	79	Deciduous Saplings	Low	Variable	Sapling
Northern White Cedar	32	Pole/Log	8		Tag Alder	Low	10 - 20 feet	Tall Shrub
White Pine	2	Log	16					
Hemlock	10	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**187** 3301 - Low Density Deciduous Trees Nonstocked 5.2 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub
Black Cherry	Low	Variable	Sapling
White Pine	Low	>20 feet	Log
Blackberry/Raspberry	Trace	< 5 feet	Tall Shrub
Black Cherry	Medium	>20 feet	Pole
Common Or Ground Juniper	Trace	< 5 feet	Tall Shrub
Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Sugar Maple	Low	Variable	Sapling
Red Maple	Trace	Variable	Sapling
Witch Hazel	Trace	5 - 10 feet	Tall Shrub

**188** 4115 - Y.Birch, Hemlock NH Sawtimber Well 8.7 77 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Log/Pole	10	77
Yellow Birch	25	Pole/Log	9	
Basswood	5	Pole	9	
Northern White Cedar	15	Log	14	93
Hemlock	20	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	Pole
Hemlock	Low	>20 feet	Pole
Hemlock	Medium	Variable	Sapling

Sidehill with high water table; springs & streams. Note: stand was not field visited for 2021 inventory. 2011 data was retained, but switched to "edge" call, ash component deleted, and some diameters increased slightly.

**194** 4130 - Aspen Sapling Well 7.1 7 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	50	Sapling	1	7
Quaking Aspen	10	Sapling	1	7
Red Maple	25	Pole/Sap/Log	6	
Sugar Maple	12	Sapling/Pole	3	
Black Cherry	3	Sapling/Pole/Log	3	

Clearcut in spring 2014. Patches of advanced sugar maple regeneration were retained, as well as scattered mature and pole-sized trees.

**195** 4130 - Aspen Sapling Medium 17.3 7 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Sapling	1	7
Bigtooth Aspen	25	Sapling	1	7
Red Maple	2	Log/Pole	12	
Black Cherry	5	Sapling	1	7
Beech	1	Log	10	
Sugar Maple	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	< 5 feet	Seeding
Black Cherry	Medium	< 5 feet	Seeding
Ironwood	Medium	< 5 feet	Seeding

Clearcut in spring 2014. Scattered mature trees were retained. Mostly filling in, but there are some open areas.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
<b>196</b>	4130 - Aspen	Sapling Well	9.7	7	Immature	N/A	Clearcut in spring 2014. Patches of advanced sugar maple regeneration were retained, as well as scattered mature trees.																																														
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<b>197</b>	4130 - Aspen	Sapling Medium	8.5	7	Immature	N/A	Clearcut in spring of 2014; scattered residual trees, including numerous small hemlocks. West lobe is poorly stocked.																																														
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<b>198</b>	4130 - Aspen	Sapling Medium	6.9	7	Immature	N/A	Clearcut in spring of 2014; scattered residual trees. Patch clearcut, 5 patches. Aspen regeneration in the NE patch is good, fair in SE and SW patches, poor in the center and NW. Failed areas are filling in with ironwood and cherry.																																														
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<b>199</b>	4112 - Maple, Beech, Cherry Association	Sapling Medium	33.9	6	1-50	N/A	Big, old sugar maple is concentrated along State Rd. This was a mature RP plantation that was clearcut in 2013 after massive March, 2012 snowstorm damage. Stand has numerous RP snags and down logs. 2018 regen check (Anna Ellis): Majority of site has healthy hardwoods. Many dense areas. Where site is more bare, hardwoods have begun seeding in. Small amount of healthy red pine growing near retained patches. Sugar maple is dominant; ironwood, cherry, aspen, beech, oak and ash are also present.																																														
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<b>200</b>	4139 - Aspen, Mixed Deciduous	Sapling Medium	3.3	5	Immature	N/A	Clearcut in Sept. 2016. Some dead/dying JP remains, and some scattered cherry/maple retention, but mostly cleared for aspen regeneration. 2021: some patches of aspen suckers and scatter cherry sprouts, but parts failed to regenerate, especially west of road.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
201	3103 - Rubus-Fern	Nonstocked	2.9	0	Immature	4139 - Aspen, Mixed Deciduous	Clearcut in Oct. 2015, with some maple and cherry retained.																																
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202	42140 - Planted Mixed Pine	Sapling Well	17.6	25	1-50	N/A	Planted red pine is starting to overtop the volunteer jack pine.																																
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203	790 - Other Bare/Sparsely Vegetated	Nonstocked	16.1	0	Unspecified	4211 - Planted Red Pine	Clearcut in 2015. Scattered maple/cherry retained. 2018: cherry and JP volunteers. Dropped roller chopping for JP volunteer control, as this proved ineffective on other sites. Moved to site prep herbicide spray, then trench and plant to RP. Herbicide sprayed 9/9/2019, trenched 2020. Planted April 2021.																																
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204	122 - Road/Parking Lot	Nonstocked	2.2			No	U.S. 31																																
206	310 - Herbaceous Openland	Nonstocked	10.6	0	Unspecified	4211 - Planted Red Pine	This was a mature RP plantation that was clearcut in 2013 after massive March, 2012 storm damage. Stand has numerous RP snags and down logs. Roller chopping completed June 2019, trenched in summer 2019. Planted April 2021.																																
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