



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73041

Entry Year 2025

Acreage: 11,376

County Gladwin

Management Area: Gladwin Lake Plain

Stand Examiner: Colton Behrmann

Legal Description:

T19N R2E; Sections 1-5, 8, 9 & 12; T19N R3E; Sections 6, 7; T20N R2E; Sections 20-29, 32-36; T20N R3E; Sections 30 & 31

Identified Planning Goals:

Compartment 41 is the Lame Duck Foot Access Area (L.D.F.A.A.). It is located in northeast Gladwin County and a portion of western Arenac County. Currently the L.D.F.A.A. is labeled as a HCVA as a Dedicated Management Area. The L.D.F.A.A. was established in 1998 to provide the public with a place for foot access only recreation. Timber management for this 10-year planning period will focus on balancing the age-class distributions for aspen and red pine. Wildlife habitat management objectives include perpetuating early successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends in this 10-year planning period will be the continued need to address illegal off-road vehicle use, trash dumping and increased recreational pressure. Wildlife management for game species is the primary focus of the area. Even before the establishment of the L.D.F.A.A. the area has been extensively managed for early successional ecosystems where the soils permit. The harvests have regenerated well in the past. However, in the last decade the regeneration has had mixed results. As such some areas need to be interplanted with conifer to bring them up to full stocking. The compartment also has extensive stands of dead ash and swamp hardwoods. Many of these stands are on soils that are too wet for harvest. However, where possible, harvest in these timber types is recommended.

In addition, the compartment has a number of maintained wildlife openings. Many are maintained with a permanent meadow mix and are mowed regularly to hinder brush and tree encroachment.

Soil and topography:

The topography of the compartment is mainly flat to undulating. Many of the stands have extensive micro-relief or consist of ridges and swales. The main soil types are Iosco-Au Gres-Ingalls, Iosco-Brevort-Ingalls and Roscommon-Brevort-Tawas associations. These soil associations are a mix of moderately well drained to very poorly drained soils. Therefore, stands are often a mixture of uplands and lowlands, leading to significant variability within a stand in composition of species and the size of the overstory. Other major soil types are Roscommon soils, Iosco-Menominee-Brevort, Au Gres and Hetteringer-Brevort-Burleigh associations. These soils are in the drainages and under some of the wetlands within the compartment. In addition, there is a large area with the Roscommon-Tawas association. This soil association lies under a large hardwood swamp that is mainly dead ash, willow, and red maple. It has extensive micro-relief being hummocks separated by standing water and organic soil.

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

The compartment is one large contiguous block of state ownership. There are private land holdings along the east and west sides of the compartment. Along the west side there are many recreational properties and permanent residences just outside the boundaries. The east side has mainly recreational properties. The north and south boundaries border State Forest land.

Unique Natural Features:

The Michigan Natural Features Inventory database identifies the occurrence of Bald Eagle (*Haliaeetus leucocephalus*), a species of special concern, within the compartment.

Archeological, Historical, and Cultural Features:

The Hard Luck lumber camp was located near this compartment. Therefore, the area has an extensive system of narrow gauge railroad beds. Many can still be seen on imagery.

Special Management Designations or Considerations:

The compartment is the L.D.F.A.A. It is a High Conservation Value Area (H.C.V.A.). The plan for the area does not allow the harvest of timber between September 15 and December 15.

Watershed and Fisheries Considerations:

The area has extensive wetlands that drain to the south and south east. Much of the area is the headwaters of the Molasses River. The Molasses River Flooding's 1 and 2 are present in the compartment. Molasses Flooding 1 has been

repaired & Molasses 2 impoundment has been completely removed. The beavers now have it dammed up. Portions of the compartment's northwest boundary lie within the East Branch of the Tittabawassee River watershed. The river receives southwest flowing runoff and wetland drainage from this part of the compartment.

Wildlife Habitat Considerations:

Compartment 41 is one of 19 Grouse Enhanced Management Sites (GEMS) found in the State. It is also referred to as the Lame Duck Foot Access Area. This compartment possesses a high wildlife management value, with hunting as a featured activity. Foot access is the only means of entry into this compartment, with the exception of posted open forest roads that allow road licensed vehicles the opportunity to ingress the interior of the area up to ¼ mile from the perimeter boundary for parking and camping access. This compartment includes the Molasses River Flooding #2. Both upland and lowland systems are present, making it suitable for a number of wildlife species. Furbearers including Beaver, Mink, Muskrat, Black Bear, Bobcat, and Coyote use the lowlands as corridors as well as year-round habitat. Game species likely to be present in this compartment include Ruffed Grouse, American Woodcock, Raccoon, Wood Duck, Wild Turkey, Snowshoe Hare, and White-tailed Deer. The compartment is easily accessible to hunters via the Sterling Truck Trail and the Lame Duck Truck Trail.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel operations are known to exist in the area, but there is evidence of past aggregate development within the compartment. There may be some potential for sand & gravel within the compartment, but much of the compartment is low and wet, which could inhibit any surface mining. There is no history of oil & gas production within the compartment, but there has been past production within one mile to the southeast, and State-owned mineral rights in the east end of the compartment are currently under lease. In addition, some recent well permit activity has occurred just to the east. No known metallic mineral potential exists in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

This area is restricted to foot traffic only. Foot traffic includes cross-country skiing, hiking, and snowshoeing. No mechanically driven vehicles are allowed except on designated county roads and in designated parking areas. This restriction includes two- and four-wheel drive vehicles, motorcycles, snowmobiles, ORV's, and bicycles. In addition, horses and other pack animals are prohibited. Only DNR and authorized commercial equipment are permitted for such things as timber harvest, habitat maintenance, and tree planting.

Survey Needs:

The area been extensively surveyed. No new survey is currently needed.

Recreational Facilities and Opportunities:

This large compartment contains no designated/signed recreational trails, but does provide extensive recreational hunting opportunities. Numerous parking areas, coupled with extensive foot access only trails provide for ample hunting prospects. The M-30 North Gladwin MCCCT motorized trail is located on the Sterling Truck Trail, along the SW boundary of this compartment.

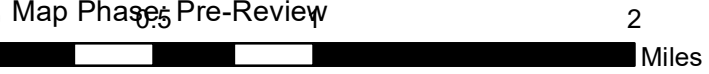
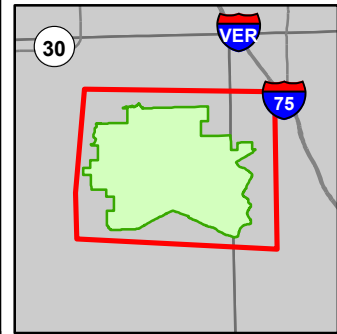
Fire Protection:

The L.D.F.A.A. receives considerable foot traffic and hunting pressure. The potential is high for fire starts. The compartment lacks many of the volatile fuel types and is heavy to aspen. There are many natural fuel breaks in the form of wet drainages and swamps. Should a wildfire occur, suppression personnel and equipment will generally encounter difficult access. Additionally, because of the many organic soil inclusions and extensive pine stump fields in the area; mop-up and control may prove problematic.

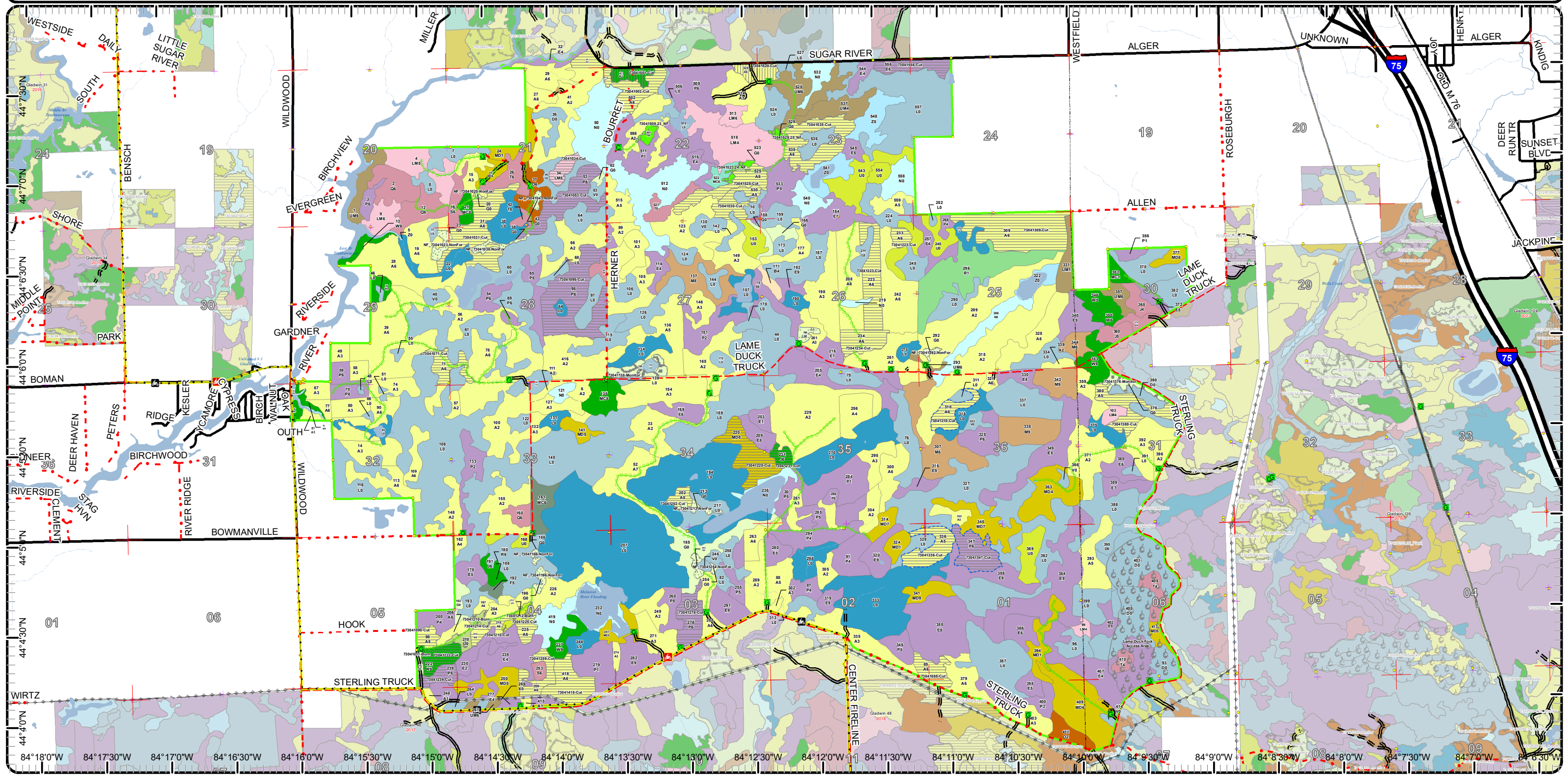
Additional Compartment Information:

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 T20N-R02E Sec. 20-29,32-36
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 YOE: 2025

Acres: 11376.3 GIS Calculated
 Examiner: Colton Behrmann
 Map Revised: 5/24/2023
 Map Phase: Pre-Review

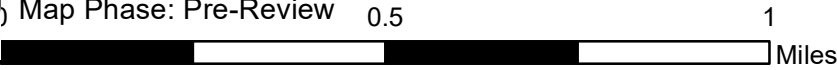
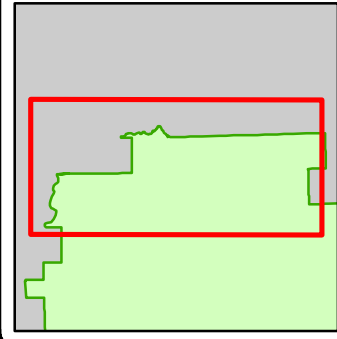


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- Survey Grade Corners
- Counties
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- Federal / State / County - Paved Road
- County - Gravel Road
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- Michigan Cross Country Cycle Trail (MCCCT)
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- Ⓜ Gate
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- Lakes and Rivers
- Pipeline
- ⚡ Powerline
- 📍 Compartment Boundary
- 📍 Treatments with Site Conditions
- 📍 Other Treatment - See Comments
- 📍 Clearcut (w/Reserves)
- 🔥 Prescribed Burn
- 📍 Regeneration Survey
- 📍 Shelter Wood (w/Reserves)
- 📍 Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
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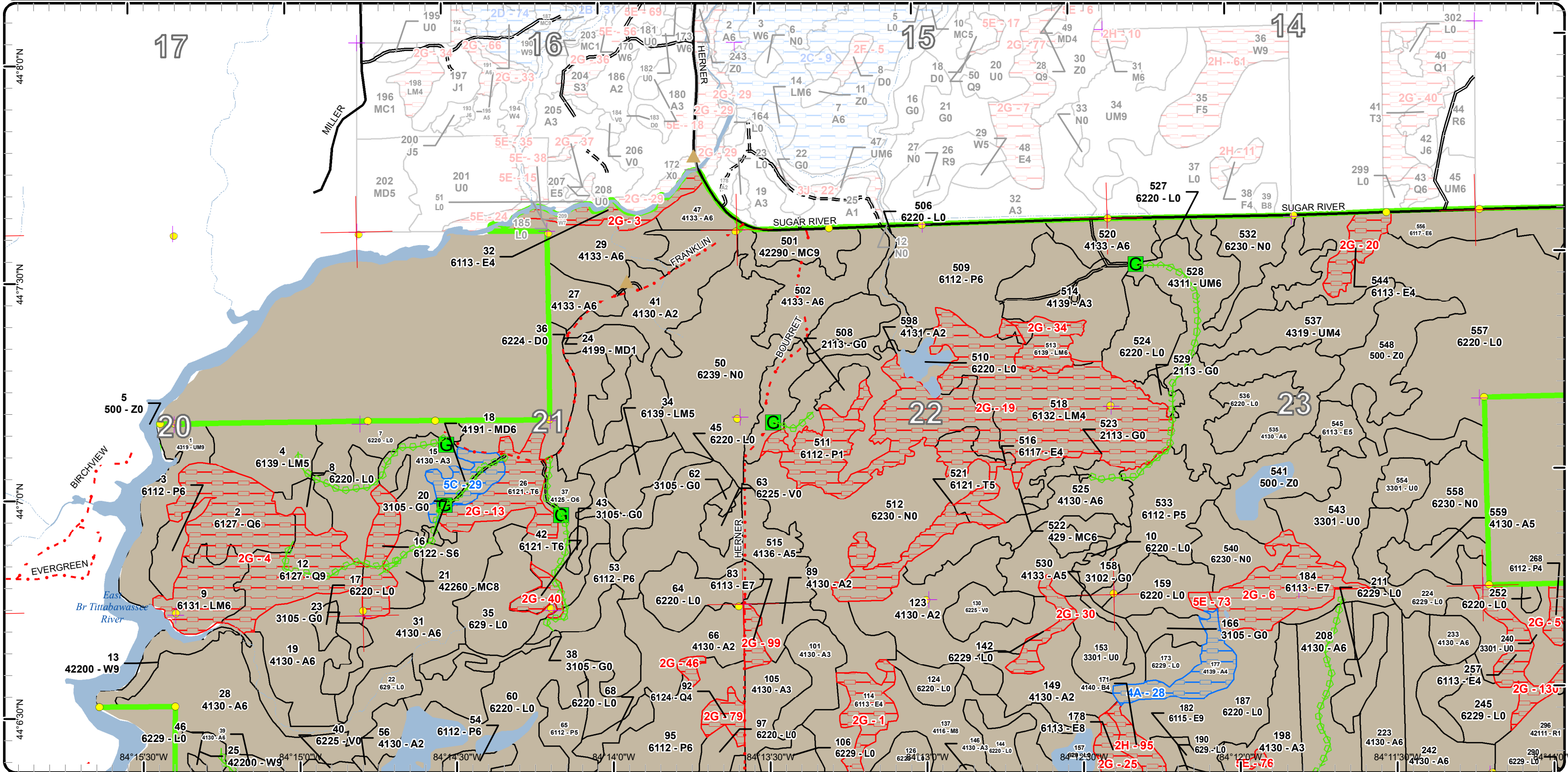


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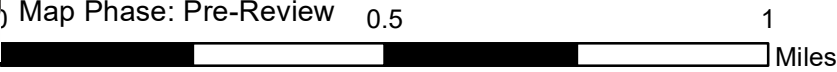
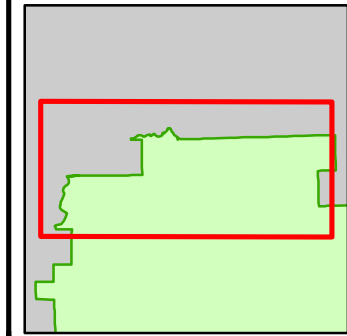
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- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Dedicated Management Areas



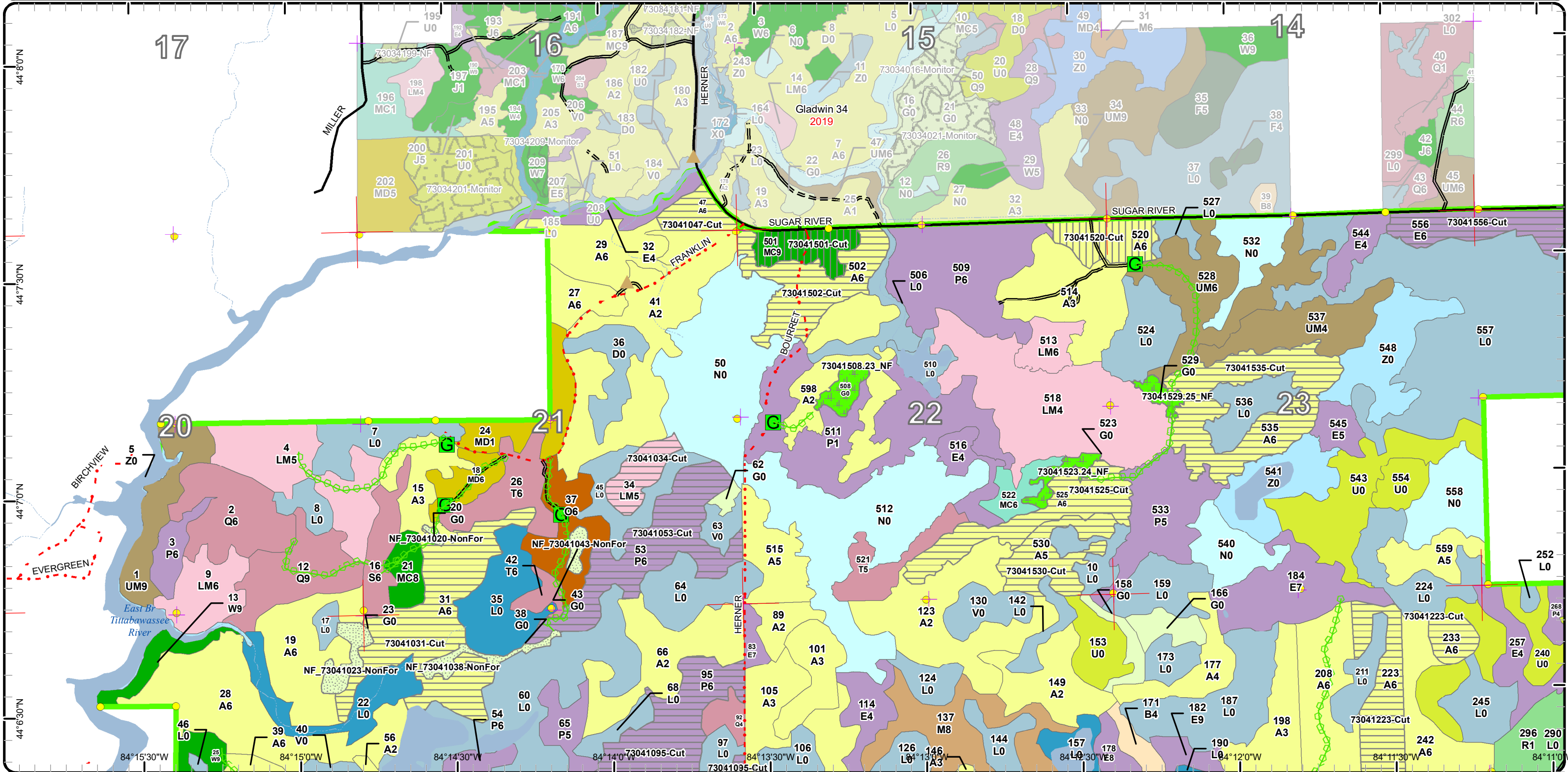
Cover Type & Treatments Map

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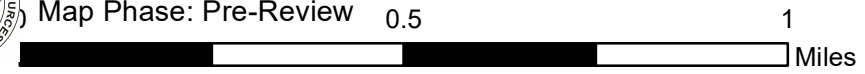
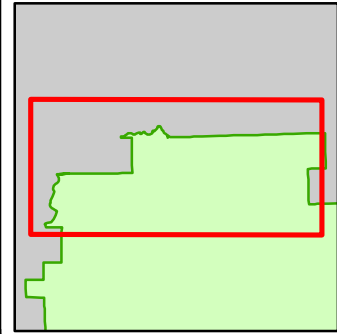
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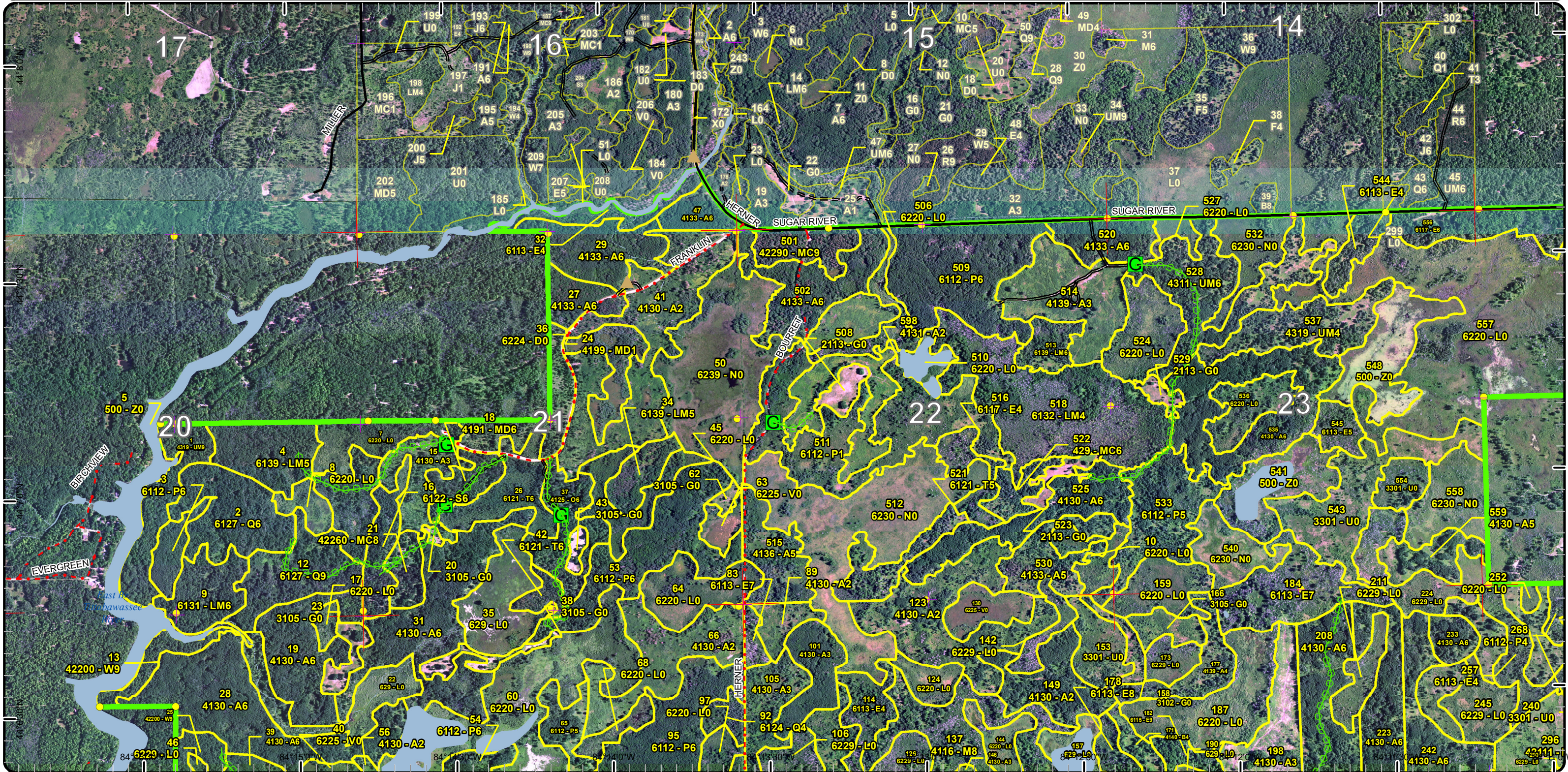
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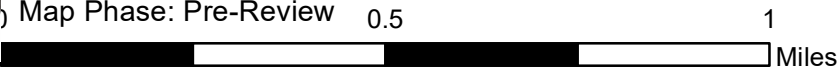
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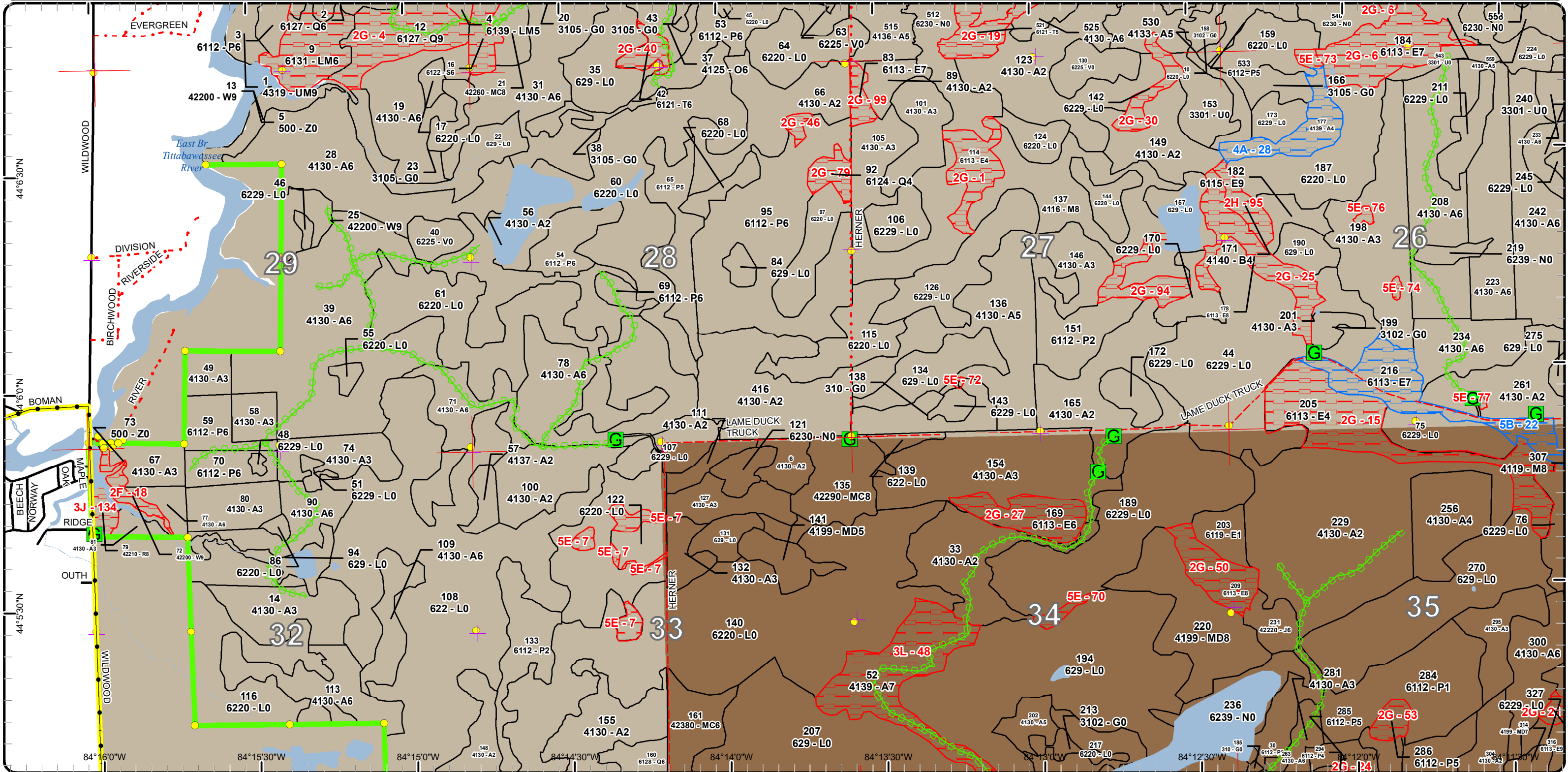
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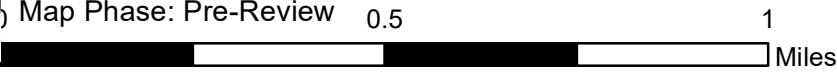
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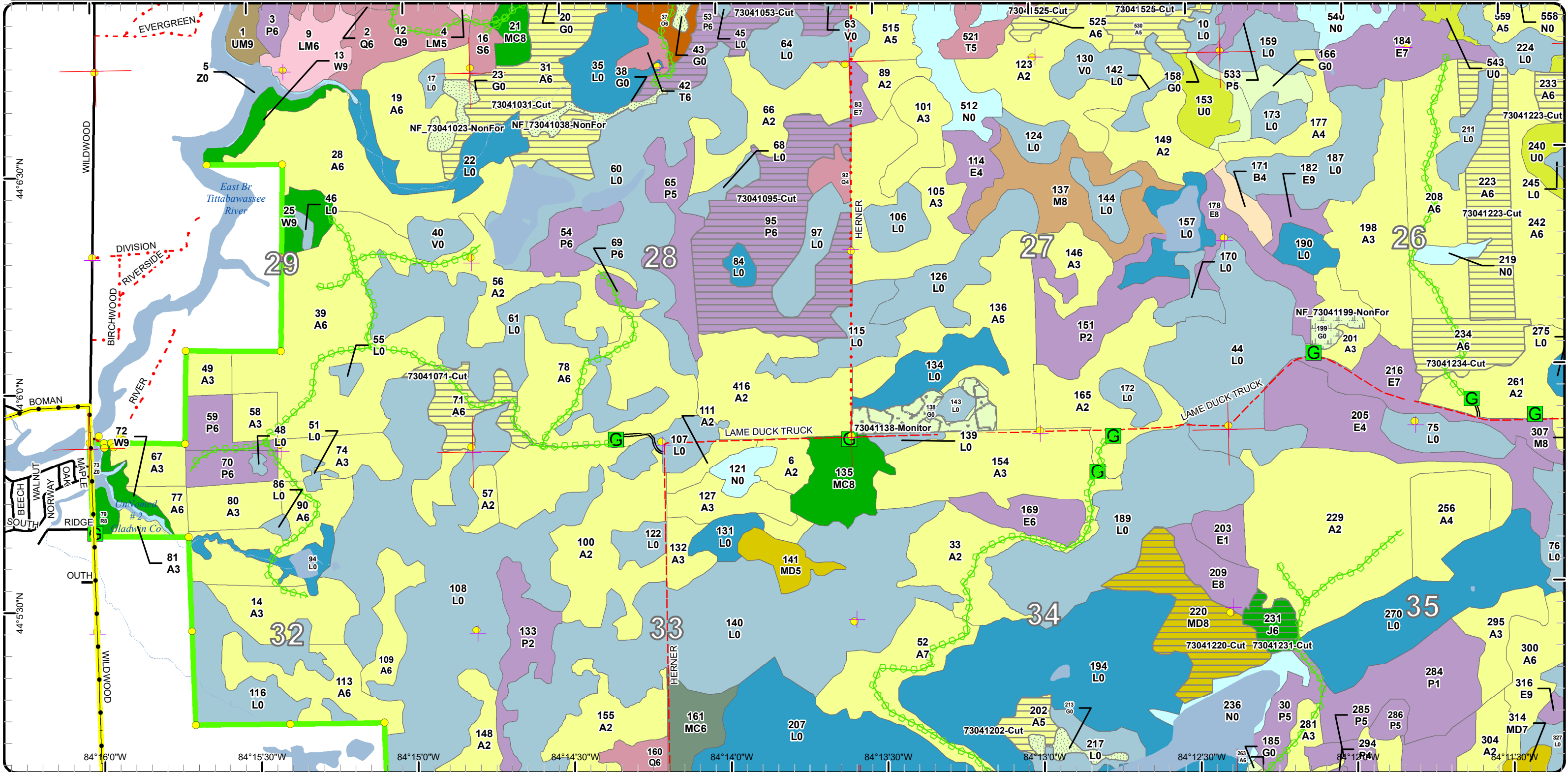
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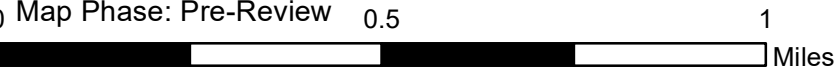
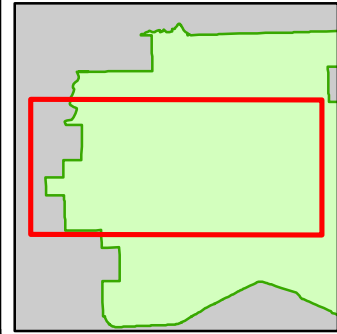
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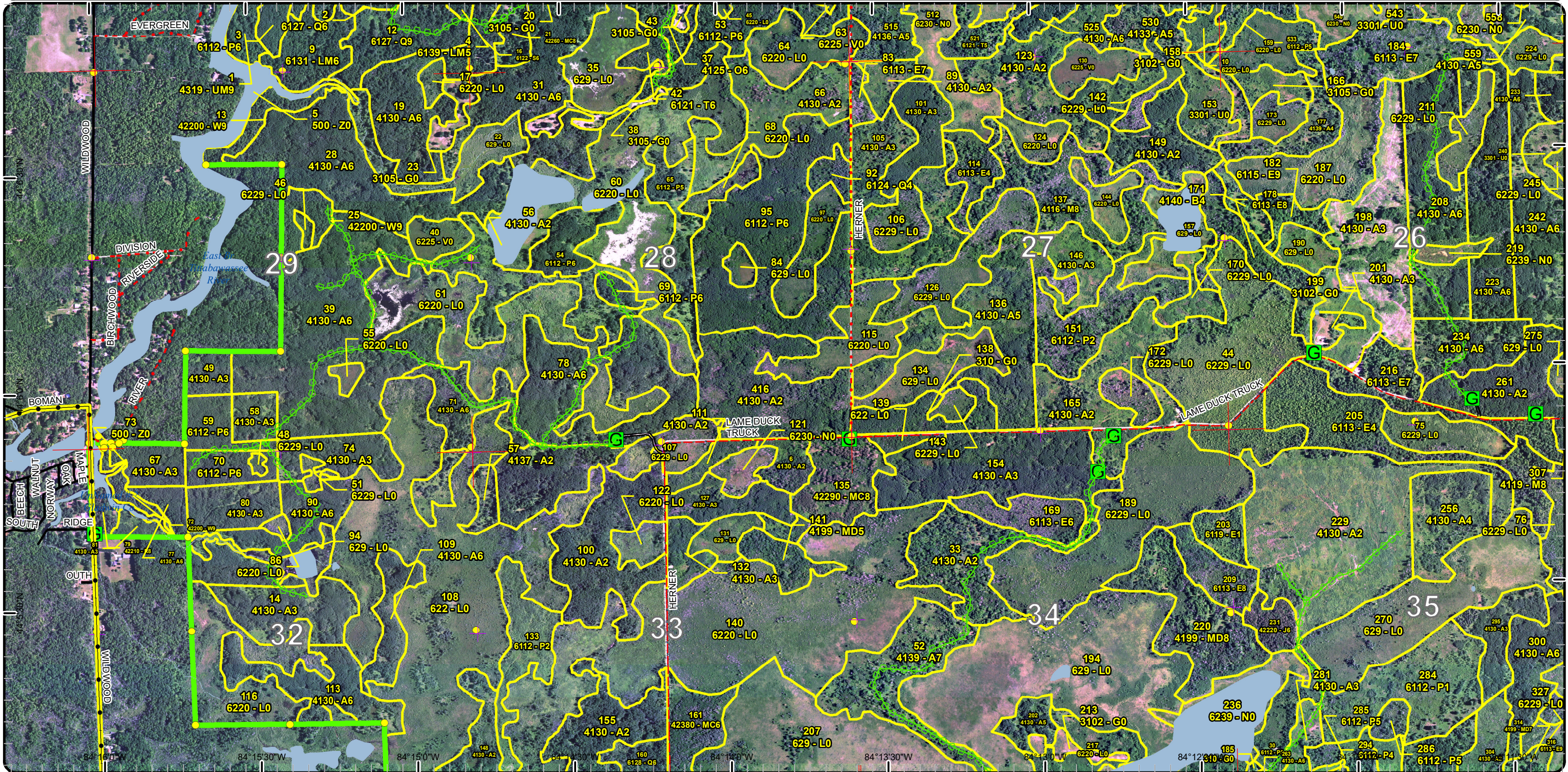
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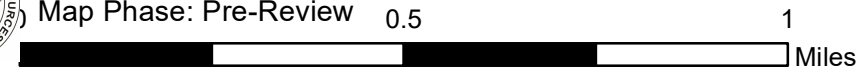
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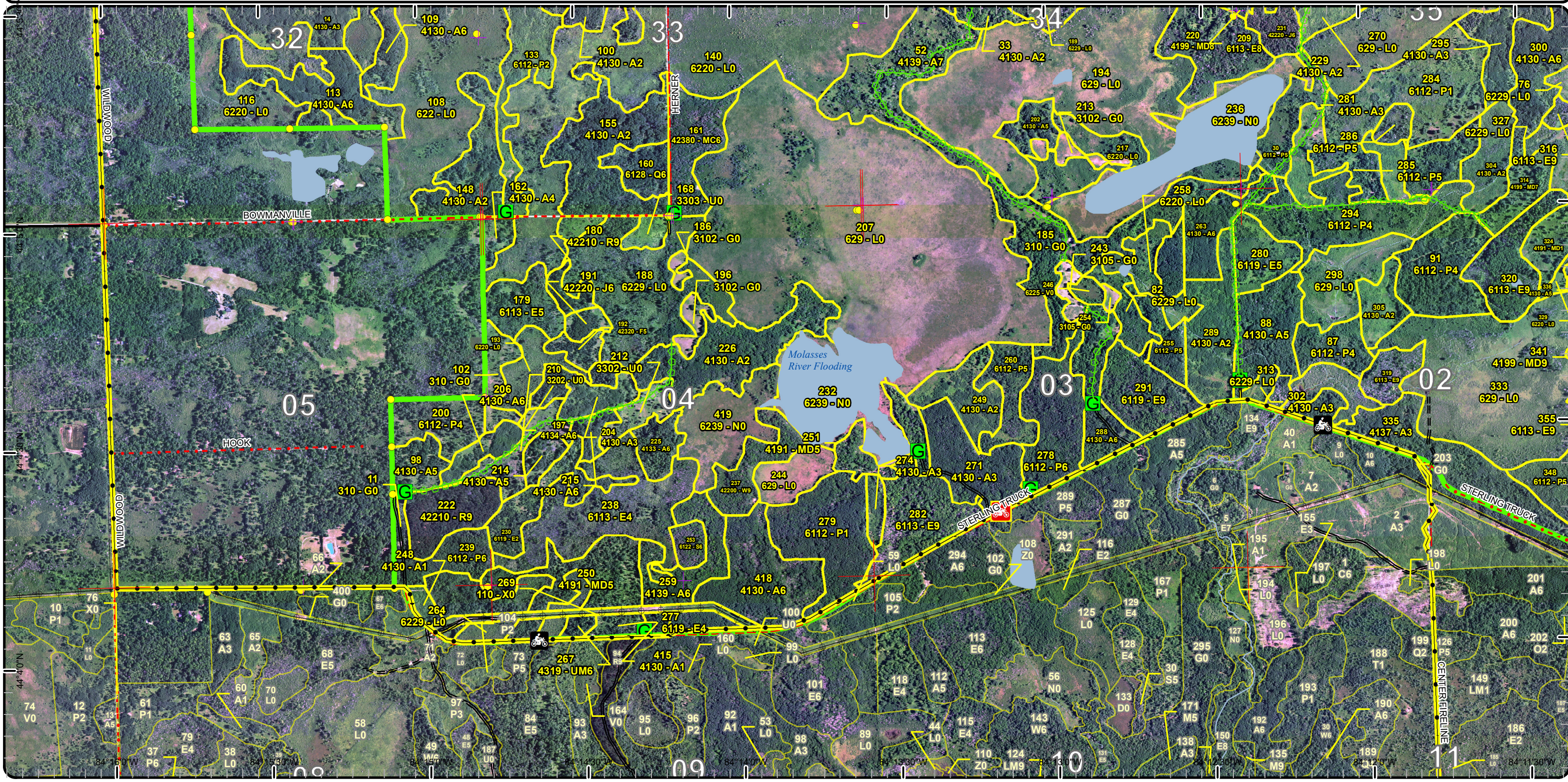
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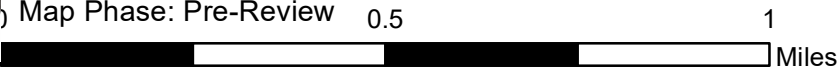
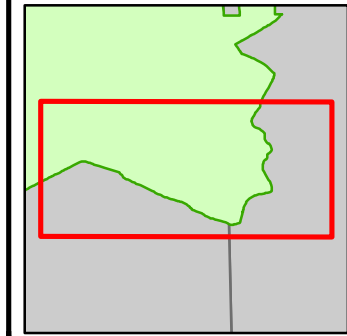


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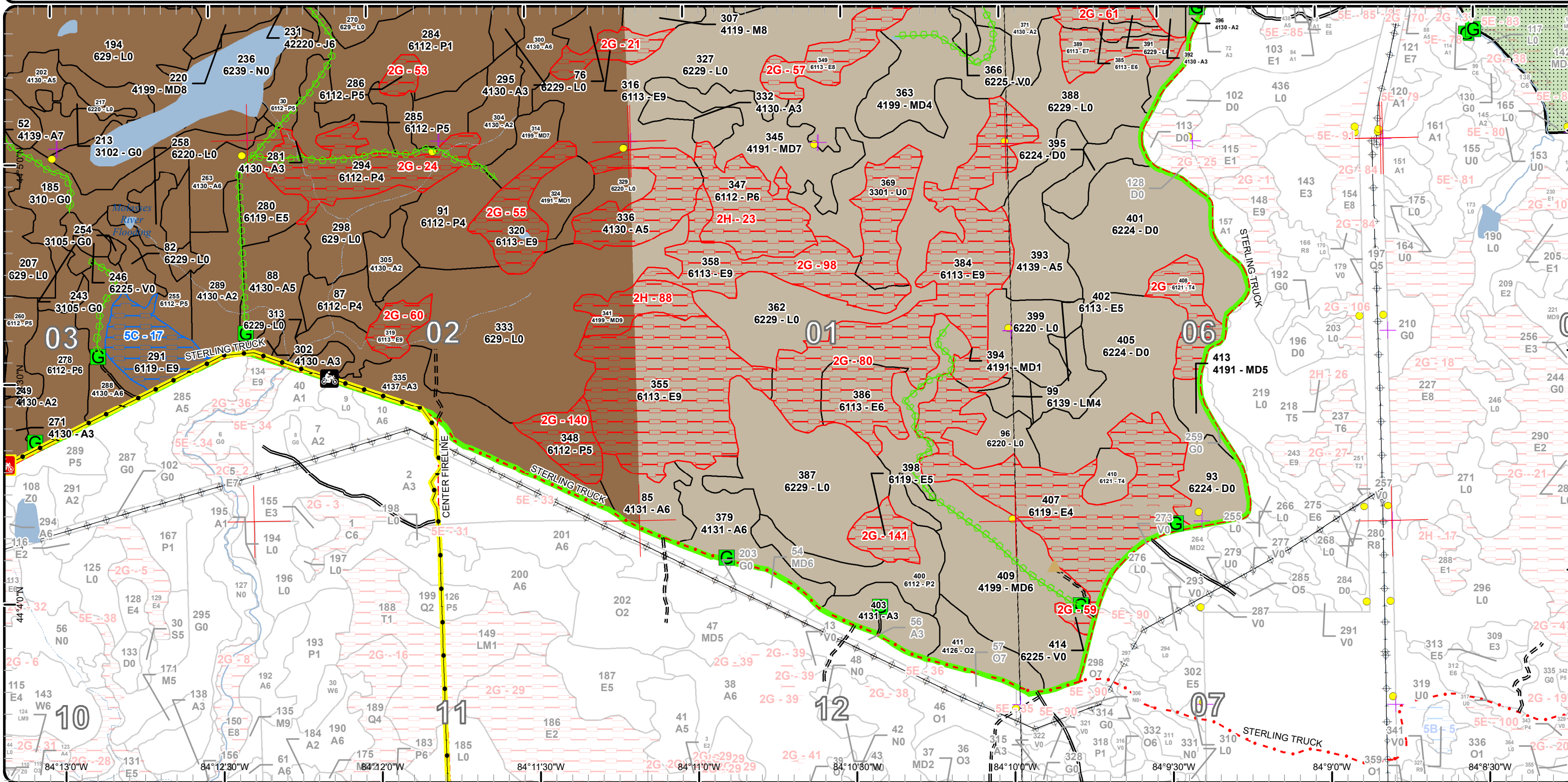


Special Conservation Areas

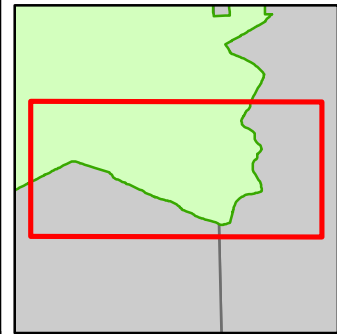
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- Recreational/Scenic Value Area
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- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)



Cover Type & Treatments Map

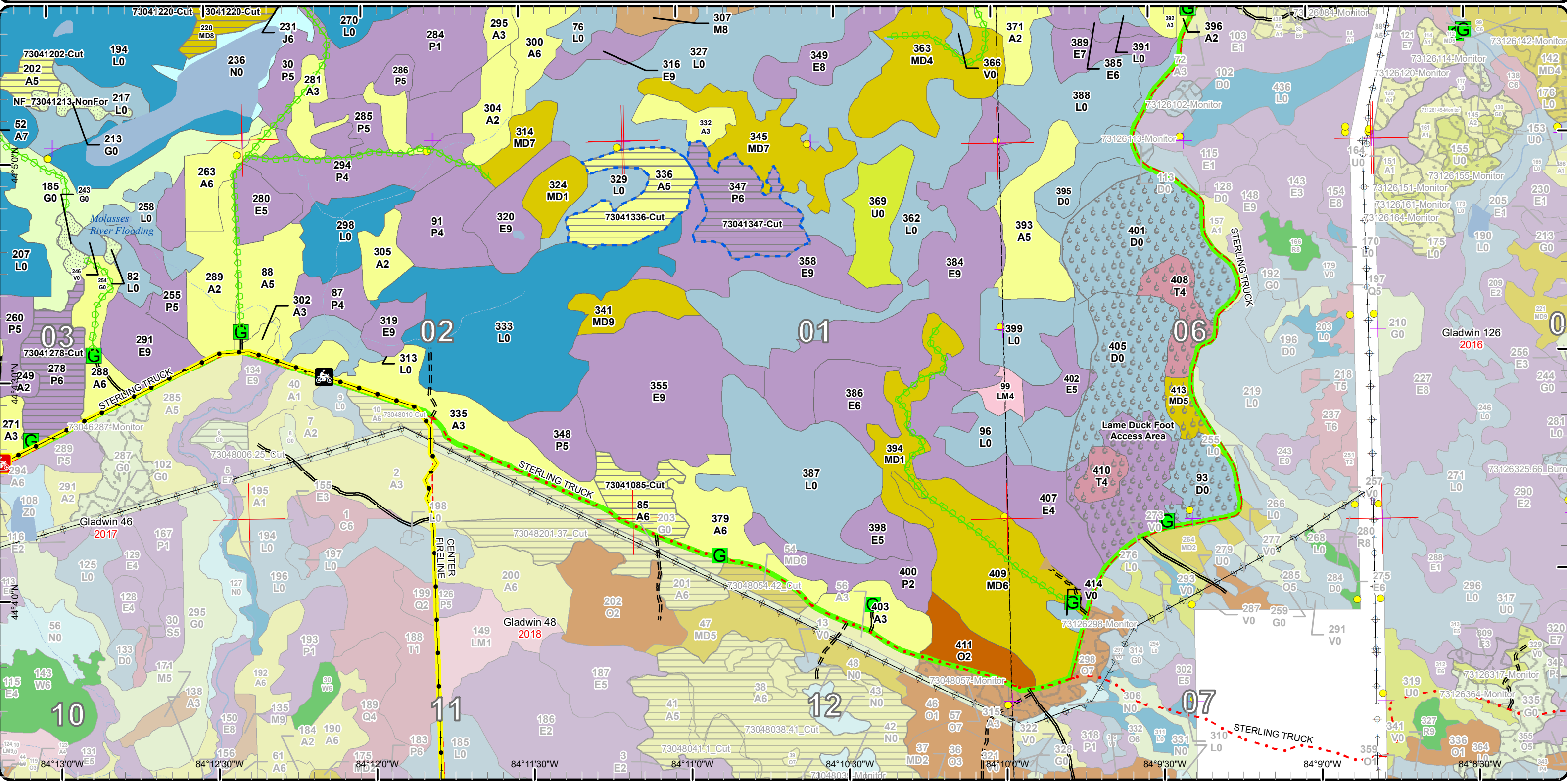


Compartment: 41
 T19N-R02E Sec. 1-5,8,9,12
 T19N-R03E Sec. 06,07
 T20N-R02E Sec. 20-29,32-36
 County: Gladwin
 Unit: Gladwin
 Mgmt Area: Gladwin Lake Plain
 YO: 2025

Acres: 11376.3 GIS Calculated
 Examiner: Colton Behrmann
 Map Revised: 5/24/2023
 Map Phase: Pre-Review 0.5

1
 Miles

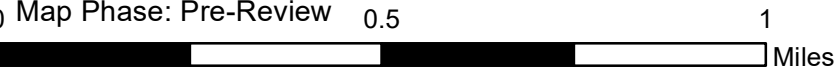
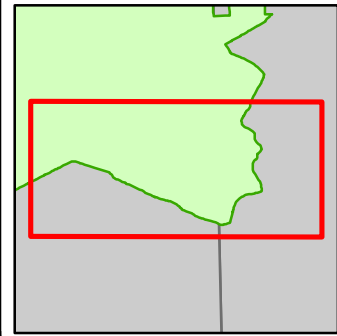
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Motorcycle Trails (SOS License)
- MCCCT Trails
- Designated Hunter Walking Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Berms
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Prescribed Burn
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



Stand Boundary Map

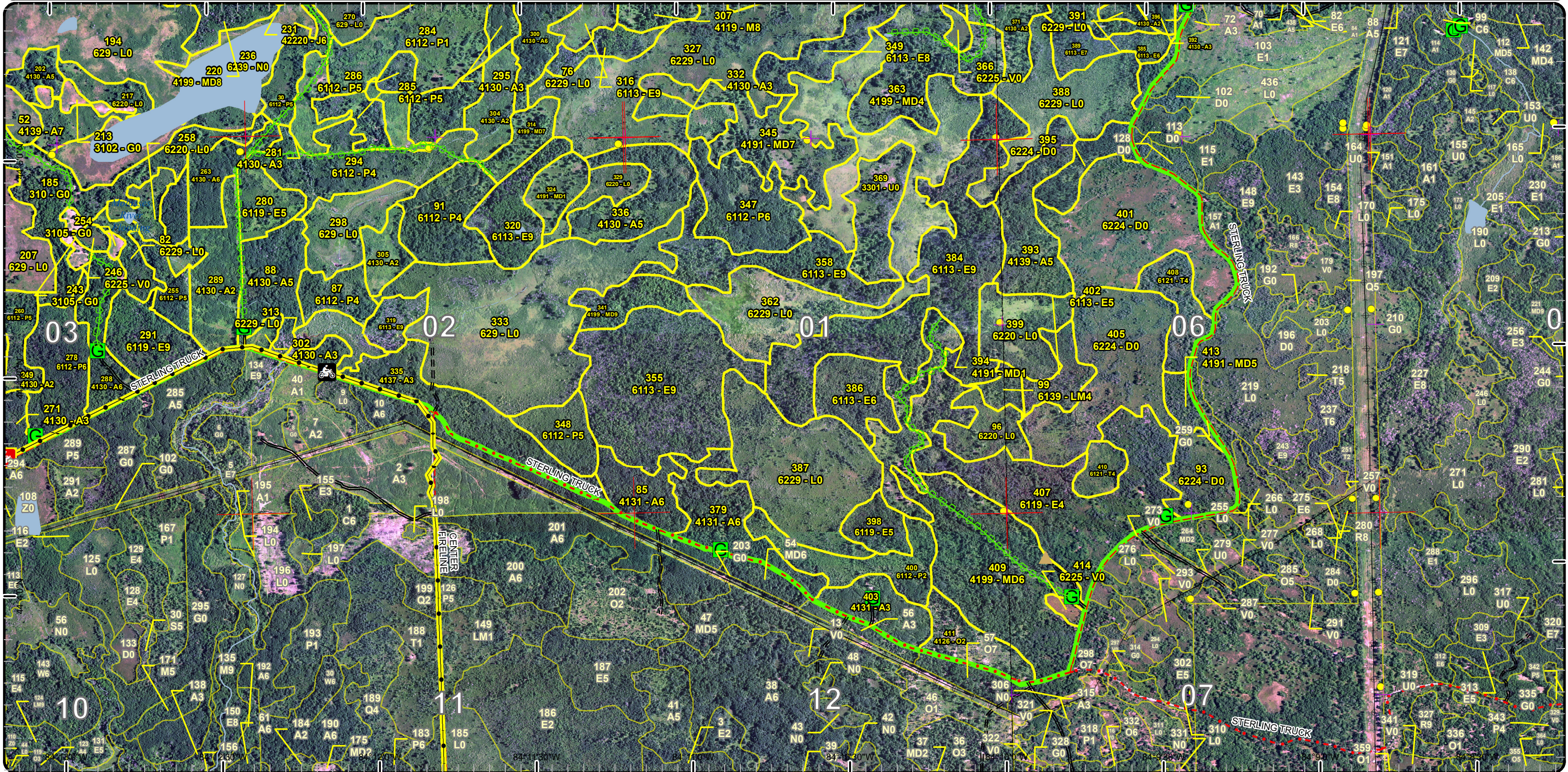
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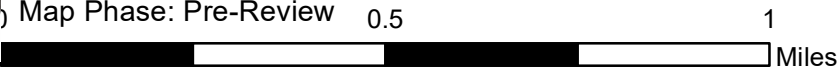
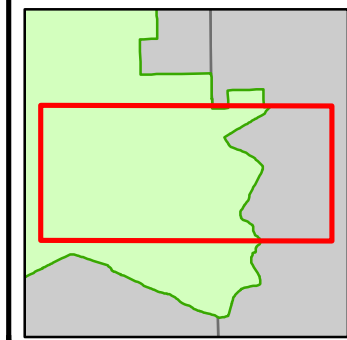
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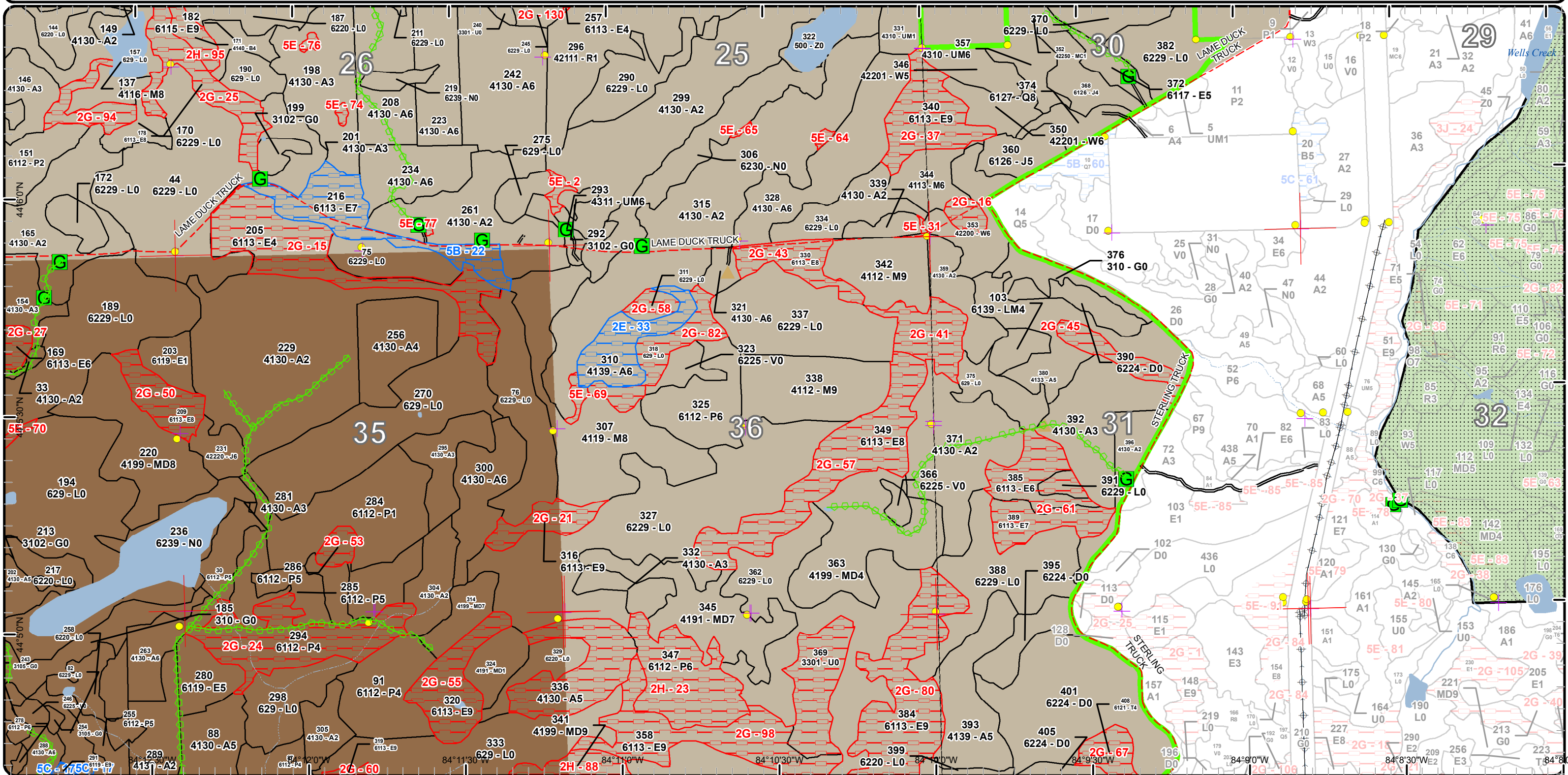


Special Conservation Areas

Compartment: 41
 T19N-R02E Sec. 1-5,8,9,12
 T19N-R03E Sec. 06,07
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 Examiner: Colton Behrmann
 Map Revised: 5/24/2023
 Map Phase: Pre-Review 0.5



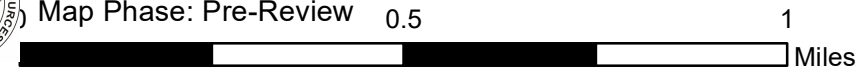
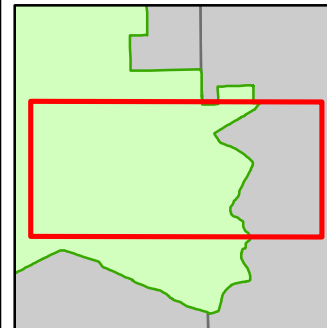
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- County - Dirt Road (Seasonal)
- Designated Hunter Walking Trails
- Berms
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- 2E: Road needed
- 5B: Maintain for regeneration purposes
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Dedicated Management Areas
- Wildlife Management Areas
- Recreational/Scenic Value Area



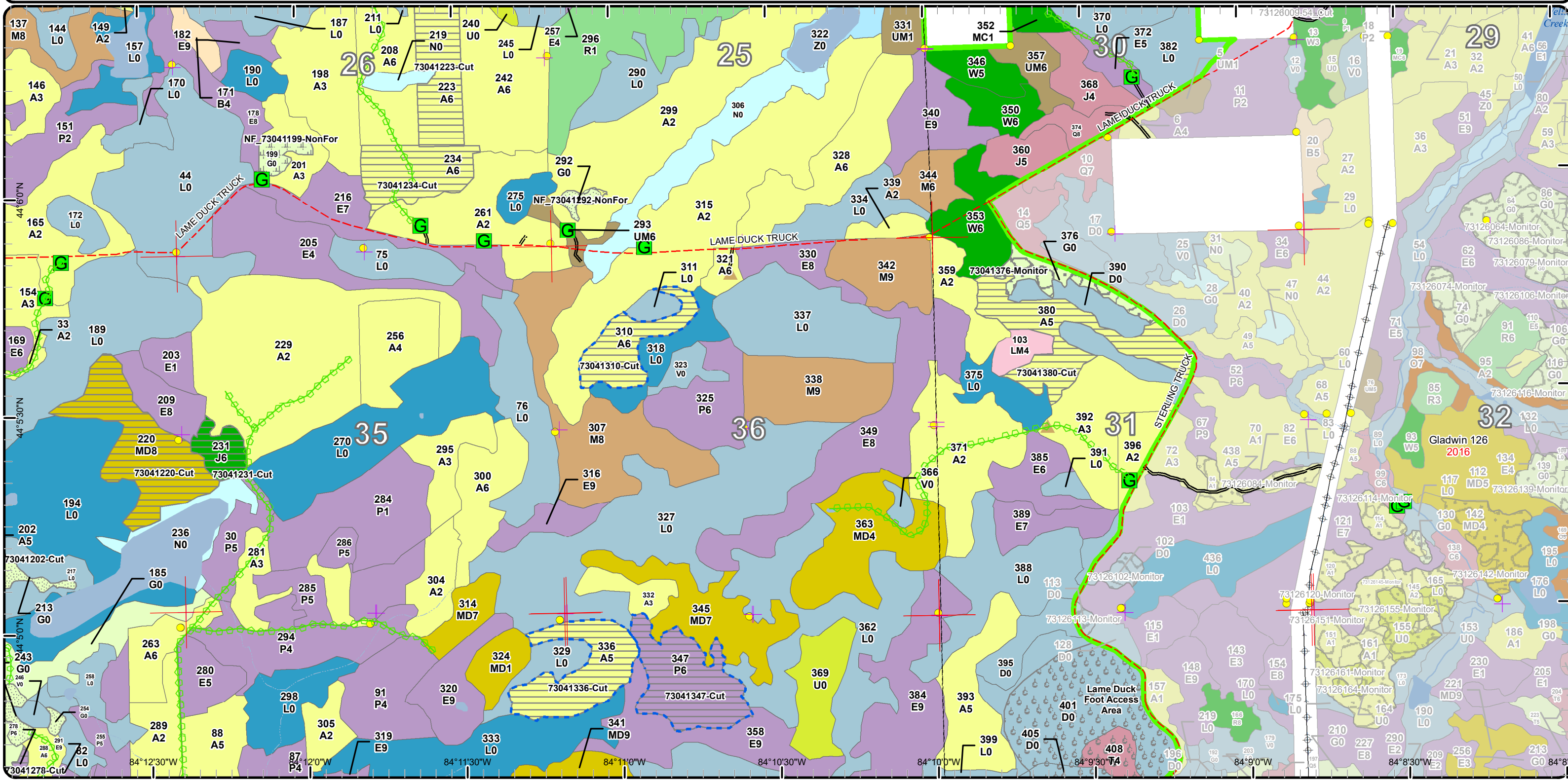
Cover Type & Treatments Map

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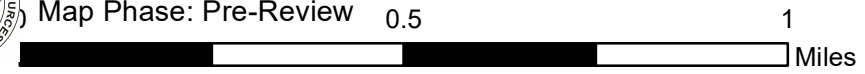
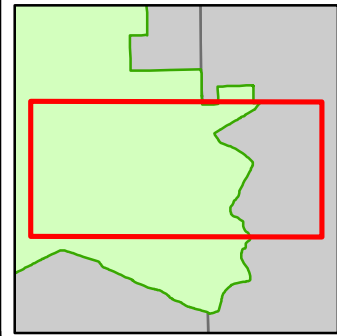
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- - - Counties
- == DNR - Secondary Forest Road
- - - County - Dirt Road (Seasonal)
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- Intermittent Stream
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- Swamp
- Lakes and Rivers
- ⊕ Powerline
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Other Treatment - See Comments
- ▭ Clearcut (w/Reserves)
- ▭ Prescribed Burn
- ▭ Regeneration Survey
- ▭ Mowing
- ▭ 411 - Northern Hardwood
- ▭ 413 - Aspen
- ▭ 414 - Other Upland Deciduous
- ▭ 419 - Mixed Upland Deciduous
- ▭ 421 - Planted Pines
- ▭ 422 - Natural Pines
- ▭ 430 - Upland Mixed Forest
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 613 - Lowland Mixed Forest
- ▭ 310 - Herbaceous Openland
- ▭ 330 - Low Density Trees
- ▭ 500 - Water
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
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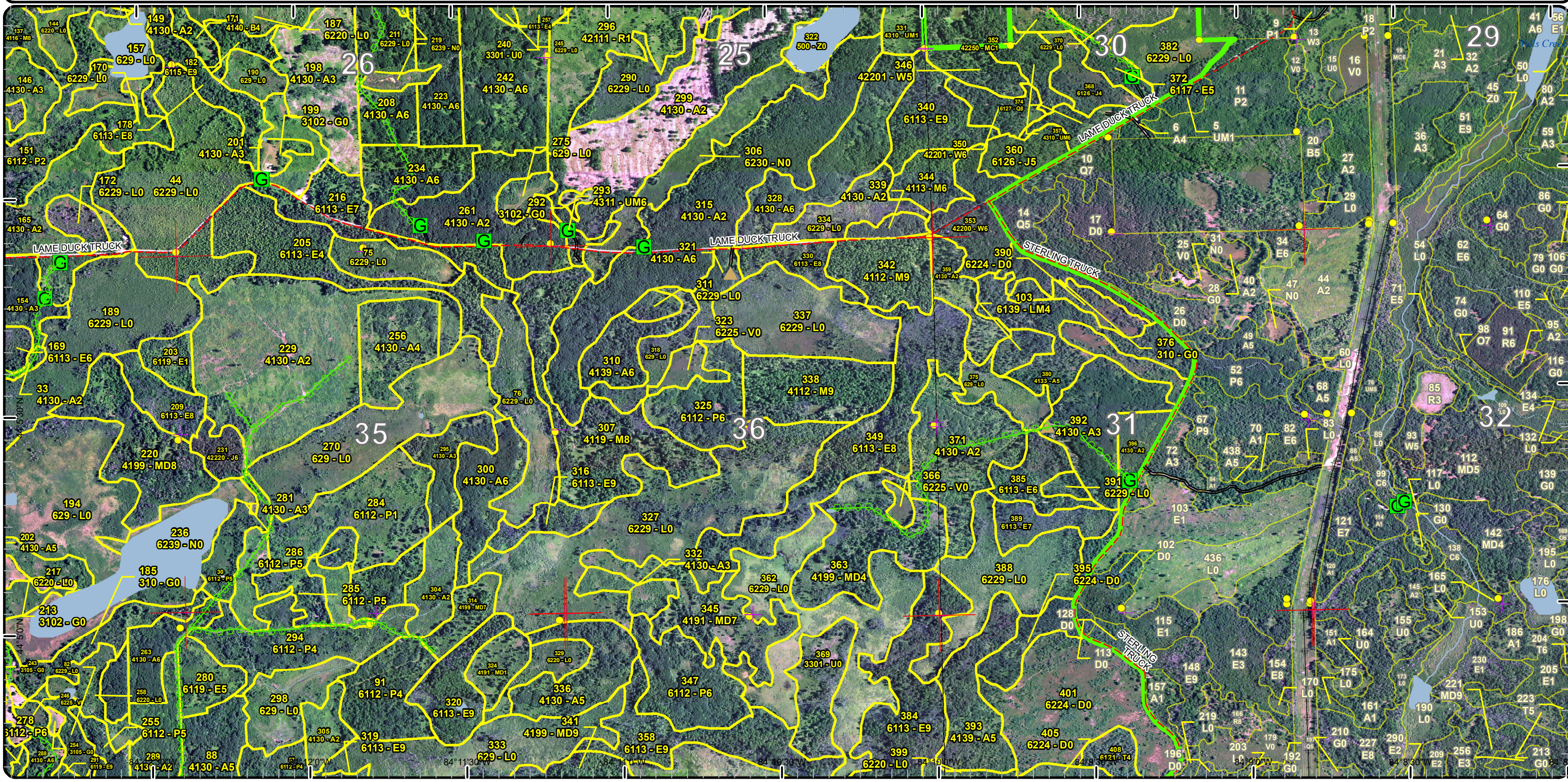
Stand Boundary Map

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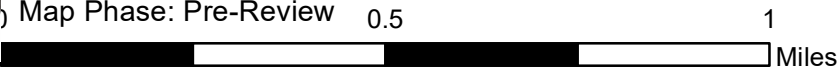
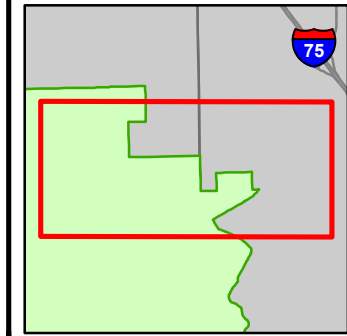


- Miris Corners
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- Counties
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- County - Dirt Road (Seasonal)
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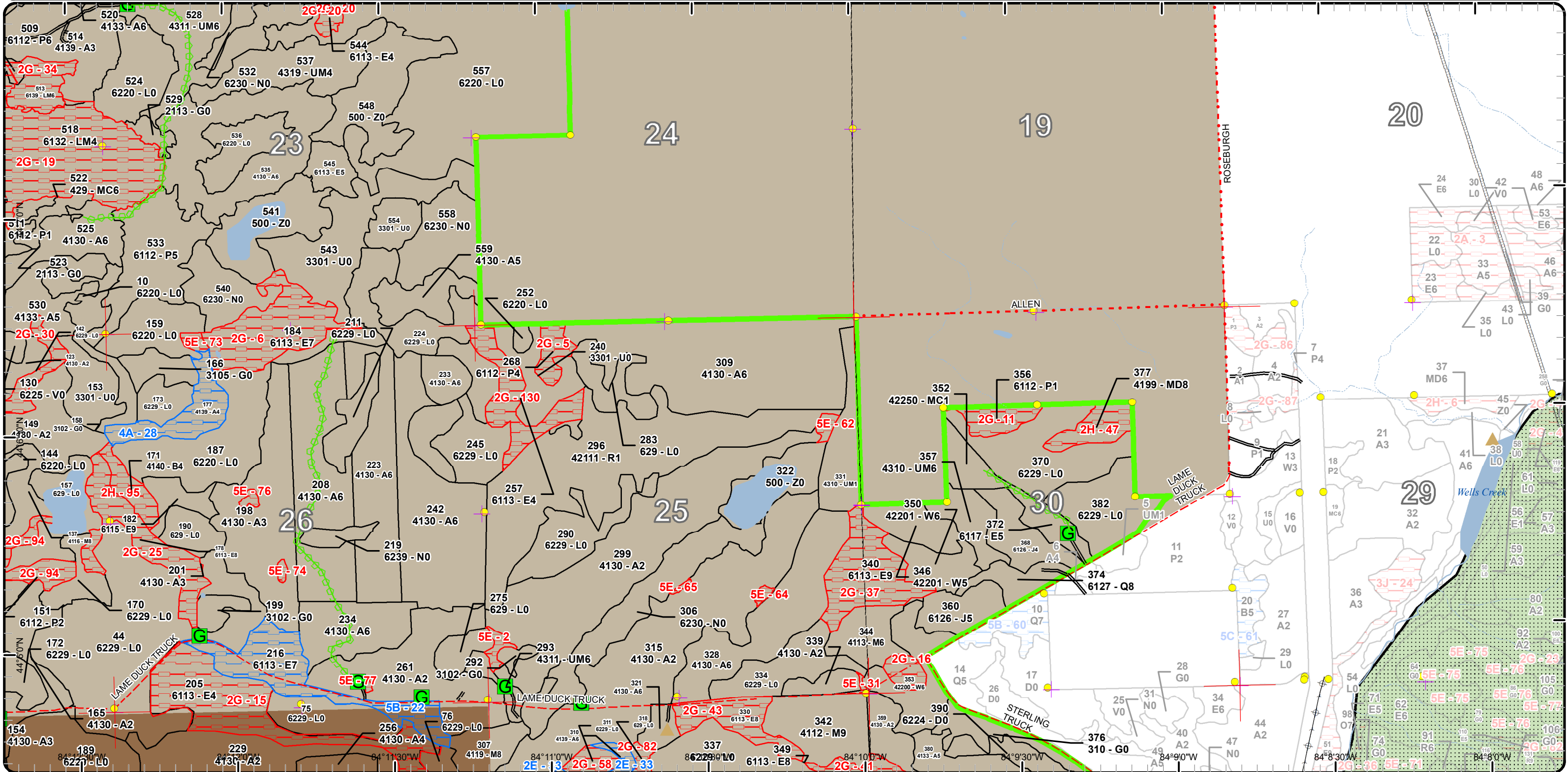


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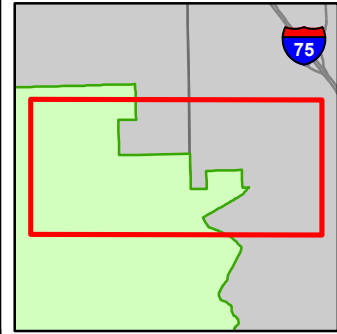
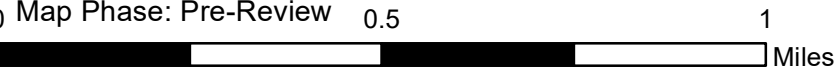


- Miris Corners
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 2E: Road needed
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
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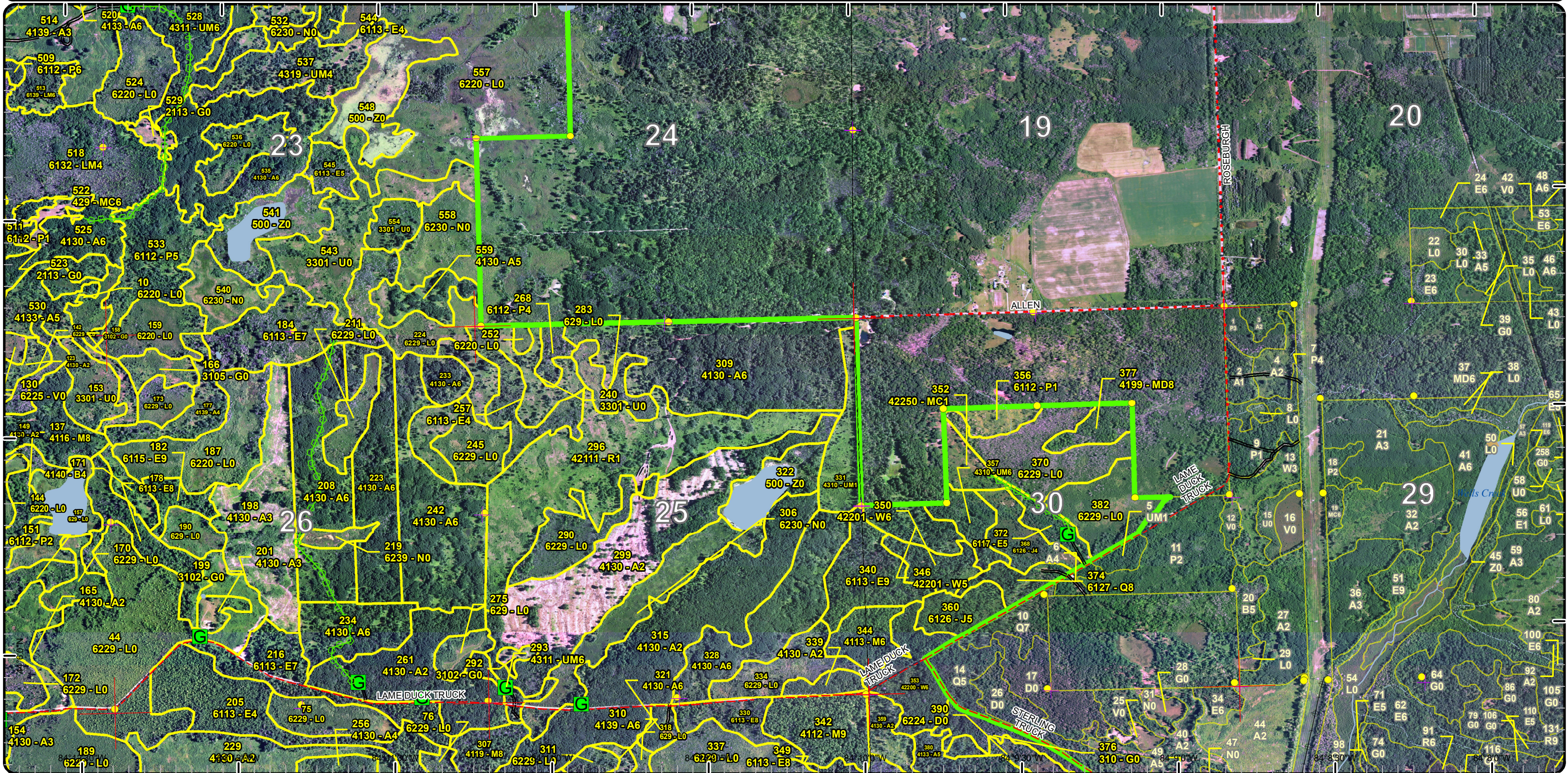


Stand Boundary Map

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 - Stand Boundaries
- 211 - Cropland
 - 310 - Herbaceous Openland
 - 330 - Low Density Trees
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 - 419 - Mixed Upland Deciduous
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 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers
 - 430 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
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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**

Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 41

Year of Entry 2025

Colton Behrmann : Examiner



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	758	568	493	830	476	308	0	0	46	0	0	0	0	0	0	0	0	3478
Bog	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Cropland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Herbaceous Openland	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157
Jack Pine	0	0	0	0	15	32	0	0	0	0	0	0	0	0	0	0	0	0	45
Low-Density Trees	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151
Lowland Aspen/Balsam Poplar	0	86	38	80	377	298	55	0	0	0	0	0	0	0	0	0	0	0	933
Lowland Conifers	0	0	0	12	7	37	33	11	0	0	0	0	0	0	0	0	0	0	99
Lowland Deciduous	0	0	0	59	39	158	40	136	49	390	106	0	0	0	0	0	0	121	1098
Lowland Mixed Forest	0	0	0	0	11	60	13	22	86	0	0	0	0	0	0	0	0	0	192
Lowland Shrub	3158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3158
Lowland Spruce/Fir	0	0	0	0	0	0	0	6	17	0	0	0	0	0	0	0	0	0	22
Marsh	394	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	394
Mixed Upland Deciduous	0	0	14	50	42	217	0	0	59	0	27	0	0	0	0	0	0	0	408
Natural Mixed Pines	0	0	0	10	0	27	0	0	0	29	0	0	0	0	0	0	0	0	65
Northern Hardwood	0	0	0	0	0	0	15	108	28	45	0	0	0	0	0	0	0	0	196
Oak	0	0	20	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Paper Birch	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Red Pine	0	101	0	0	0	0	0	28	0	0	0	0	5	0	0	0	0	0	134
Tamarack	0	0	0	9	0	0	67	0	0	0	0	0	0	0	0	0	0	0	76
Treed Bog	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226
Upland Conifers	0	0	0	0	10	0	25	0	0	0	0	0	0	0	0	0	0	0	35
Upland Mixed Forest	0	0	0	21	18	82	7	0	0	0	0	0	0	0	0	0	0	26	153
Upland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Spruce/Fir	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
White Pine	0	0	0	0	14	0	0	18	41	6	0	0	0	0	0	0	0	21	100
Total	4280	945	640	759	1363	1387	569	329	280	524	133	0	5	0	0	0	0	168	11372



Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 41

Total Compartment Acres: 11,376

Commercial Harvest - 924
 Harvests with Site Condition - 92
 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	635	0	0	0	19	0	0	0	0	654
Jack Pine	10	0	0	0	0	0	0	0	0	10
Lowland Aspen/Balsam Poplar	228	0	0	0	0	0	0	0	0	228
Lowland Deciduous	27	0	0	0	0	0	0	0	0	27
Lowland Mixed Forest	13	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	46	0	0	0	0	0	0	0	0	46
Natural Mixed Pines	0	0	0	0	17	0	0	0	0	17
Red Pine	22	0	0	0	0	0	0	0	0	22
Total	981	0	0	0	35	0	0	0	0	1016

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	1016	0	0	0	240	0	29	0	62	1347
Next Step	0	22	0	0	29	22	1256	0	29	1358
Total	1016	22	0	0	269	22	1285	0	91	2705



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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Proposed Treatments:

11	73041011-Burn	3.7	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Burn	Opening	31022 - Warm Season Grass		No
<p><u>Prescription</u> Burn</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Prescribed Burn</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 /2024</p>											
31	73041031-Cut	63.1	4130 - Aspen	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> The uplands could be harvested as a clearcut with retention. The retention should be in pockets. There are areas that are too wet and will need to be painted out. Therefore, the timber sale acres will be less than the inventory acres.</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> medium stocking or better of aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
34	73041034-Cut	12.9	6139 - Mixed Lowland Forest	Poletimber Medium	54	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> The stand could be harvested as a clearcut with retention. The retention being marked pines and oaks with clumps of aspens. The retained aspens should favor cavity trees and future drumming logs.</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> medium stocking or better of aspen and other species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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

47	73041047-Cut	10.5	4133 - Aspen, Mixed Pine	Poletimber Well	58	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest as a clearcut with retention. Paint out the drainage for the retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of aspen mixed with other hardwoods.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

53	73041053-Cut	49.8	6112 - Lowland Aspen	Poletimber Well	54	111-140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Harvest the stand as a clearcut with retention. The retention should be in pockets and situated to protect the wettest ground and the drainages. The harvest acres will be significantly less than the inventory acres. It will need to be cut in dry or frozen conditions, preferably from fall through winter to maximize regeneration.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of aspen mixed hardwood and conifer.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

71	73041071-Cut	21.8	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription The stand could be treated as a clearcut with retention. The retention should be in pockets and protect the low wet ground.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of aspen mixed with hardwoods and conifer.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

85	73041085-Cut	21.4	4131 - Aspen, Oak	Poletimber Well	45	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low, wet pockets. Add grouse spec.

Specs: Add dry/frozen spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of aspen with a minor component of oak and maple meeting minimum stocking standards.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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

95	73041095-Cut	93.2	6112 - Lowland Aspen	Poletimber Well	45	111-140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Could harvest as a clearcut with retention protecting wetter areas. The harvest would have to be done in fall through winter during dry or frozen conditions to get regeneration.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable medium or better stocking of aspen mixed with hardwoods.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

98	73041098-Cut	11.4	4130 - Aspen	Poletimber Medium	46	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention to maximize harvested aspen & promote regeneration. Harvest during winter months to assist in maximum regeneration. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

202	73041202-Cut	9.5	4130 - Aspen	Poletimber Medium	49	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees that are 2 inches and greater in diameter. No retention due to stand size. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

210	73041210-Burn	13.7	3202 - Autumn Olive/Honeysuckle	Nonstocked		Immature	Burn	Opening	31022 - Warm Season Grass		No
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Prescription burn
Specs:

Next Step Monitoring, Prescribed Burn
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



Stand	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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212 73041212-Burn 9.5 3302 - Low Density Nonstocked Immature Burn Opening 31022 - Warm Season Grass No

Prescription Burn
Specs:

Next Step Monitoring, Prescribed Burn
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

214 73041214-Cut 6.6 4130 - Aspen Poletimber 42 51-80 Harvest Clearcut 413 - Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. No retention due to stand size and need to maximize aspen regeneration. Mark to leave 1-2 x-log red maple for roost trees. If regeneration fails add stand to adjacent WLD burn.
Specs:

Next Step NonForestMgt, Mowing; Burn, Opening; Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated aspen stand meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

215 73041215-Cut 6.1 4130 - Aspen Poletimber 37 111-140 Harvest Clearcut 413 - Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. No retention due to small stand size and need to maximize aspen regeneration. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

220 73041220-Cut 46.2 4199 - Other Mixed Upland Deciduous Sawtimber 75 81-110 Harvest Clearcut with Retention 4199 - Other Mixed Upland Deciduous Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low, wet ground. Add dry/frozen spec. Harvested areas may be significantly less than prescribed acres due to wet ground.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen, oak, maple and mixed conifers meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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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222	73041222-Cut	22.1	42210 - Natural Red Pine	Sawtimber Well	62	141-170	Harvest	Clearcut	31022 - Warm Season Grass	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to autumn olive in the understory.

Specs:

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; Burn, Opening; Pesticide, Skidder - Site Prep; NonForestMgt, Treatments: Mowing

Acceptable Warm season grasses

Regen:

Other Discuss with wildlife to manage stand with adjacent burn units.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

223	73041223-Cut	53.8	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription The stand could be harvested as a clearcut with retention. The retention should be in pockets and protect wetter areas.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable medium or better stocking of aspen mixed with hardwoods and conifers.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

225	73041225-Cut	10.3	4133 - Aspen, Mixed Pine	Poletimber Well	51	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to stand size and need to maximize aspen regeneration.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of aspen, red maple and white pine meeting minimum stocking standards.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

231	73041231-Cut	10.3	42220 - Natural Jack Pine	Poletimber Well	45	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to small stand size. Add dry/frozen spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of mixed pine and oak meeting minimum stocking standards.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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

234 73041234-Cut 26.2 4130 - Aspen Poletimber 48 111-140 Harvest Clearcut with Retention 413 - Aspen Even-Aged No

Prescription Harvest as a clearcut with retention. The retention should be in pockets. The harvest should be done during dry or frozen conditions in fall through winter.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable medium or better stocking of aspen mixed with other hardwoods.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

239 73041239-Cut 15.2 6112 - Lowland Aspen Poletimber 42 81-110 Harvest Clearcut with Retention 6112 - Lowland Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around wet ground. Add grouse spec. Add dry/frozen spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen with mixed hardwoods meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

259 73041259-Cut 21.6 4139 - Aspen, Mixed Deciduous Poletimber 50 81-110 Harvest Clearcut with Retention 413 - Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen with mixed hardwoods and conifer meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

278 73041278-Cut 32.4 6112 - Lowland Aspen Poletimber 39 111-140 Harvest Clearcut with Retention 6112 - Lowland Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low wet pockets. Add dry/frozen spec. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen and mixed deciduous meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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

309 73041309-Cut 95.9 4130 - Aspen Poletimber Well 39 111-140 Harvest Clearcut with Retention 413 - Aspen Even-Aged No

Prescription harvest the stand as a clearcut with retention. The harvest acres will be significantly less than the inventory acres because of wet inclusions.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Medium or better stocking of aspen mixed with some oak, pine, and maple.
Regen:

Other The density decreases going from east to west.
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

310 73041310-Cut 21.8 4139 - Aspen, Mixed Deciduous Poletimber Well 51 81-110 Harvest Clearcut with Retention 413 - Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add grouse spec. Add dry/frozen spec. Access Road will need to be built in to stand.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen with a mix of red maple and oak meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition Road Needed

Proposed Start Date: 10/1 /2024

336 73041336-Cut 32.8 4130 - Aspen Poletimber Medium 51 81-110 Harvest Clearcut with Retention 413 - Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard retention guidelines. Winter harvest only. Add grouse spec. Access will need to be from the west. A crossing will be needed crane mats or some other type of crossing will need to be installed in stand 320.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable A naturally regenerated stand of aspen and mixed hardwoods meeting minimum stocking standards.
Regen:

Other
Comment:

Site Condition Blocked by Obstacle

Proposed Start Date: 10/1 /2024

347 73041347-Cut 37.1 6112 - Lowland Aspen Poletimber Well 40 51-80 Harvest Clearcut with Retention 6112 - Lowland Aspen Even-Aged No

Prescription Cut all trees 2 inches and greater in diameter. Follow standard retention guidelines. Winter harvest only. Add grouse spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Medium or better stocking of aspen, maple, and other species.
Regen:

Other
Comment:

Site Condition Blocked by Obstacle

Proposed Start Date: 10/1 /2024



Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
380	73041380-Cut	39.6	4133 - Aspen, Mixed Pine	Poletimber Medium	47	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low, wet ground. Add grouse spec.</p> <p><u>Specs:</u> Add dry/frozen spec.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous and white pine meeting minimum stocking standards.</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 /2024</p>											
418	73041418-Cut	38.7	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around wet pockets. Add grouse spec. Add dry/frozen spec.</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> A naturally regenerated stand of aspen with mixed hardwoods meeting minimum stocking standards.</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 /2024</p>											
501	73041501-Cut	16.5	42290 - Natural Mixed Pine	Sawtimber Well	40	111-140	Harvest	Shelterwood	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Harvest as a shelterwood retaining around 60 BA of red and white pine.</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> mix of pine and aspen</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
502	73041502-Cut	34.5	4133 - Aspen, Mixed Pine	Poletimber Well	53		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest as a clearcut with retention. The retention should be in pockets a protect the sensitive soils and mark some of the oak and pine to be retained.</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> medium or better stocking of aspen and other 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 /2024</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
508 73041508.23_NF	6.5	2113 - Forage Crops	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Stand to be maintained as a wildlife opening by Wildlife Division.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
520 73041520-Cut	18.5	4133 - Aspen, Mixed Pine	Poletimber Well	53	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription Specs:</u> Harvest all aspen and thin the red pine. The BA should be variable going from 0 in the aspen pocket to 110 in the dense areas of red pine. Clear cut 50' along Alger Road.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Overstory of red and white pine with a medium stocking of aspen and other hardwoods in the understory and in the opening.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
523 73041523.24_NF	5.6	2113 - Forage Crops	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Stand to be maintained as a wildlife opening by Wildlife Division.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
525 73041525-Cut	32.9	4130 - Aspen	Poletimber Well	48		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> The stand could be harvested as a clearcut with retention. The retention should protect the wetter areas of the stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> medium or better stocking of aspen mixed with other hardwoods</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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530	73041530-Cut	22.6	4133 - Aspen, Mixed Pine	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest as a clearcut with retention. The retention should be in pockets. The harvest should be done during dry or frozen conditions from
Specs: fall through winter to maximize regeneration. If harvest too early in late spring or summer regeneration will be an issue.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable medium or better stocking of aspen mixed with hardwood and conifer.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

535	73041535-Cut	54.2	4130 - Aspen	Poletimber Well	41	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription harvest as a clearcut with retention. The harvest acres may be significantly less then inventory acres because of wetness.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable medium or better stocking of aspen mixed with some hardwoods and conifer.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

556	73041556-Cut	26.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	58	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Harvest as a clearcut with retention. The retention should be in pockets and protect the wetter areas. The harvest will need to be done in dry
Specs: or frozen conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Medium or better stocking of hardwood and conifer.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

401	Lame Duck Foot Access Area	213.0	6224 - Treed Bog	Nonstocked			Burn	Other	622 - Lowland Shrub		No
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Prescription This stand is one that was in a rotational burn for habitate management of soft mast producing shrubs. The burn will need to be moderate to
Specs: light to stimulate the blueberry. The last time this area was burned was 1997 or 1998.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Blueberry
Regen:

Other Old next step comments: Evaluate the results.
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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
20 NF_73041020-NonFor	1.0	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Perform WLD opening maintenance. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other Comment:</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
23 NF_73041023-NonFor	7.4	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Perform WLD maintenance. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other Comment:</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
38 NF_73041038-NonFor	7.0	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Perform WLD maintenance. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other Comment:</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</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
43 NF_73041043-NonFor	3.0	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Perform WLD opening maintenance. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of <u>Comment:</u> herbicide and mowing. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
186 NF_73041186-NonFor	2.1	3102 - Grass	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of <u>Specs:</u> herbicide and mowing. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2014</p>										
196 NF_73041196-NonFor	5.6	3102 - Grass	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of <u>Specs:</u> herbicide and mowing. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2014</p>										
213 NF_73041213-NonFor	5.2	3102 - Grass	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of <u>Specs:</u> herbicide and mowing. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2014</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
243 NF_73041243-NonFor	4.5	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing.</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 /2024</p>										
254 NF_73041254-NonFor	1.4	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing.</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 /2024</p>										
292 NF_73041292-NonFor	2.9	3102 - Grass	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing.</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 /2014</p>										

Approved Treatments:

138 73041138-Monitor	17.2	310 - Herbaceous Openland	Nonstocked	0		Monitoring	Natural Regen (Re-Inventory)	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Monitor natural regeneration until desired stocking is achieved. Stand was surveyed in Nov 2022 during inventory. No regeneration has reached the 6' FTG status yet. Revisit and survey again in FY '25.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Management objective is a fully stocked aspen stand but will accept any mix of species minimum stocking levels.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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376	73041376-Monitor	12.1	310 - Herbaceous Openland	Nonstocked	0		Monitoring	Natural Regen (Intermediate)	429 - Mixed Upland Conifers	Even-Aged	No
------------	-------------------------	------	---------------------------	------------	---	--	------------	------------------------------	-----------------------------	-----------	----

Prescription Natural regen survey extended due to harvest being completed in 2022.

Specs:

Next Step

Treatments:

Acceptable mixed lowland forest.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

529	73041529.25_NF	4.0	2113 - Forage Crops	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
------------	-----------------------	-----	---------------------	------------	--	--	--------------	-----------------	---------------------------	--	----

Prescription Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide, and mowing.

Next Step

Treatments:

Acceptable

Regen:

Other Stand to be maintained as a wildlife opening by Wildlife Division.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

199	NF_73041199-NonFor	5.8	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	3102 - Grass		No
------------	---------------------------	-----	--------------	------------	--	--	--------------	-----------------	--------------	--	----

Prescription Treatments may include: cultivating, planting of annual cover types, planting of perennial cover types, applications of lime, applications of herbicide and mowing.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Total Treatment 1347.3
Acreage Proposed:

Report 4 – Site Conditions

Gladwin Mgt. Unit

Compartment: 41

Colton Behrmann : Examiner

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
3479	3335	38	106

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions										
					2E	4A	5B	5C	2F	2G	2H	3J	3K	3L	5E
3479	3335	38	106	Aspen	22	17			0	0	33			46	26
48	45	0	3	Bog						3					
16	16	0	0	Cropland						0					
157	157	0	0	Herbaceous Openland										0	0
46	46	0	0	Jack Pine											
151	126	0	26	Low-Density Trees						26					
934	725	0	209	Lowland Aspen/Balsam Poplar						172	37				
99	23	0	76	Lowland Conifers						76					
1098	147	58	894	Lowland Deciduous			32	26		894	0				
193	73	0	120	Lowland Mixed Forest						120					
3157	3118	0	39	Lowland Shrub						37	0			0	3
23	2	0	21	Lowland Spruce/Fir						21					
394	394	0	0	Marsh						0					0
408	351	13	44	Mixed Upland Deciduous				13			28		16		
66	66	0	0	Natural Mixed Pines											
196	196	0	0	Northern Hardwood											
44	44	0	0	Oak											
8	0	0	8	Paper Birch							8				
133	128	0	5	Red Pine						0		5			
76	9	0	67	Tamarack						67					
226	214	0	12	Treed Bog						12					
35	35	0	0	Upland Conifers						0					
154	154	0	0	Upland Mixed Forest											
14	14	0	0	Upland Shrub											
6	6	0	0	Upland Spruce/Fir											
11	11	0	0	Urban											
105	105	0	0	Water					0						
100	89	0	10	White Pine					5	5					
11,376	9,628	109	1,639	Total Forested Acres	22	17	32	38	5	1,432	106	5	16	46	29
	85%	1%	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.*

Report 4 – Site Conditions

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Colton Behrmann : Examiner

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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)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	107	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 206, Black Bear Aspen 73-014-17-01.							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 206, Black Bear Aspen 73-014-17-01.							

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13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Recommend treating stand with adjacent stands. Harvestable acreage will be less than prescribed due to inoperable ground.							
18	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep bluff over open water.							

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19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	174	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5B: Maintain for regeneration purposes	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	70	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3K: Rare or unique landforms	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Upland ridge along Molasses River Flooding #2. Stand acts as a natural barrier for traffic along the flooding.							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	4A: No Markets Available for these Forest Products	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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31	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: Low, hummocky sparse ground.							
33	Available	2E: Road needed	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	3L: Other wildlife concerns	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
59	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Year of Entry: 2025

64	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
72	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
73	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Colton Behrmann : Examiner

Compartment: 41
Year of Entry: 2025

74	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
76	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
77	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
79	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
80	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	317	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
82	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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88	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
94	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
95	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
98	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
99	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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130	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
134	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	3A: Conservation Values incompatible with harvest at this time	2F: Too steep	Unspecified	Unspecified
Comments: Serves as riparian zone to tributary of the Tittabawassee River.							
140	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
141	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments



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
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
1	4319 - Mixed Upland Forest	Sawtimber Well	25.8	88	81-110	N/A	The stand was harvested in 1983/84 under contract number 010-83A. Within sale boundary the aspen, balsam fir, paper birch, and red maple were harvested. The white pine, red pine, oak, cedar, and hemlock were retained. The stand is now a mix of age classes from seedlings to logs.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Log/Pole/Sap</td> <td>10</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>20</td> <td>Log/Pole/XLog</td> <td>14</td> <td>88</td> </tr> <tr> <td>White Pine</td> <td>40</td> <td>Log/Pole/Sap</td> <td>14</td> <td>88</td> </tr> <tr> <td>Quaking Aspen</td> <td>8</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	5	Pole/Sapling	7		Red Maple	25	Log/Pole/Sap	10		Black/Red (Hybrid) Oak	20	Log/Pole/XLog	14	88	White Pine	40	Log/Pole/Sap	14	88	Quaking Aspen	8	Log/Pole	10		Paper Birch	2	Pole/Log	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Witch Hazel</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Witch Hazel	Medium	5 - 10 feet	Tall Shrub	White Pine	High	Variable	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling	Red Maple	High	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Balsam Fir	5	Pole/Sapling	7																																																							
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White Pine	40	Log/Pole/Sap	14	88																																																						
Quaking Aspen	8	Log/Pole	10																																																							
Paper Birch	2	Pole/Log	8																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Witch Hazel	Medium	5 - 10 feet	Tall Shrub																																																							
White Pine	High	Variable	Sapling																																																							
Balsam Fir	Medium	10 - 20 feet	Sapling																																																							
Red Maple	High	10 - 20 feet	Sapling																																																							
2	6127 - Lowland Pine	Poletimber Well	37.1	42	111-140	N/A	The stand is a mixture of uplands and lowlands. It is about 60% lowlands. The terrain is fairly level. The crown closure goes from 50 to 100%, but averages 80%.																																																			
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3	6112 - Lowland Aspen	Poletimber Well	10.4	37	1-50	N/A	The terrain is hummocky. There are ruts from the past harvest. The stand has about 30% uplands. The ash is gone. This has lowered the crown closure to around 75%.																																																			
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4	6139 - Mixed Lowland Forest	Poletimber Medium	45.3	42	51-80	N/A	The stand is a matrix of lowlands with uplands. The cutting records shows it was clearcut in 1981. The ash has died out, and the wetter areas have converted to lowland shrubs. There are some upland ridges. The crown closure in the east end is around 40% and in the west end is around 90%. The overall average is around 70%.																																																			
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5	500 - Water	Nonstocked	15.8			No	This is the Tittabawassee River. The water level is down because of dam failures in 2020.																																																			
6	4130 - Aspen	Sapling Medium	10.0	5	Immature	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. Some areas are wet. Stand was cut under Bowman Harvest 73-007-15. Stand has patchy regeneration but meets minimum stocking standards.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
7	6220 - Alder/willow	Nonstocked	20.3			No	The stand is low and wet. It is heavy to lowland shrubs. There are some scattered trees along the north edge.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Willow spp.	Full		Tall Shrub	
								Alder	Full		Tall Shrub	
8	6220 - Alder/willow	Nonstocked	8.0			No	The stand is a depression of lowland shrubs. There are some pockets of trees and areas of marsh grass.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Aspen (spp.)	Low		Pole	
								White Pine	Trace		Pole	
			Alder	Full		Tall Shrub						
9	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	22.4	65	111-140	N/A	The stand is very wet in places. It is generally lowlands with upland ridges. The lowlands make up around 55% of the stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	45	Pole/Sap/Log	8	65
								Paper Birch	3	Pole	7	65
								Black Cherry	2	Pole	6	
								Quaking Aspen	20	Pole	7	
								Red Maple	30	Pole/Sapling	6	
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	High	Variable	Sapling	
								Red Maple	High	>20 feet	Sapling	
10	6220 - Alder/willow	Nonstocked	11.5			No	The ground cover is marsh grass. There are some dryer areas in the western portion of the stand..					
11	310 - Herbaceous Openland	Nonstocked	3.7	0	Unspecified	Managed Opening	This stand has been mowed down and is now an opening. Next steps are in place to burn the stand on a rotation to promote warm season grasses. Open grown stand with heavy autumn olive in the understory. The stand has been treated with a prescribe burn.					
12	6127 - Lowland Pine	Sawtimber Well	32.5	55	81-110	N/A	There are pockets of autumn olive. The stand is around 65% lowlands. The lowlands are heavy to tamarack.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	55	Log/Pole/XLog	13	55
								Balsam Fir	10	Pole/Sapling	7	
								Paper Birch	5	Pole	6	
								Quaking Aspen	5	Log/Pole	10	
								Tamarack	20	Pole/Sap/Log	7	55
								Red Maple	5	Pole/Sapling	7	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Green Ash	Low	5 - 10 feet	Sapling	
Red Maple	Medium	Variable	Sapling									
White Pine	High	10 - 20 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
13	42200 - Natural White Pine	Sawtimber Well	10.3	50	141-170	N/A	The stand was left for visual management. There are also numerous springs and drainages that cross the stand. Continue to leave the stand for visual management.																																																
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14	4130 - Aspen	Sapling Well	29.8	25	1-50	N/A	The stand was harvested in Lame Duck West, sale 73-007-96. It was cut in the winter of 97/98. The cut lines are visible on the 1998 imagery. The stand is currently transitioning into poles. There is a broad base drainage that bisects the stand. There are inclusions of lowland shrubs. The average crown closure is around 85%.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 12.7 42 111-140 N/A The stand looks like the aspens, maples and oaks were harvested sometime in the past. The pines were retained. The jack pines need to be harvested, but the aspens are a little on the small side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	1	Pole/Sap/Log	6		Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
White Pine	2	Log/Pole	12		Red Maple	Medium	>20 feet	Sapling
Red Maple	25	Sapling	3		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
Paper Birch	2	Pole/Sapling	5					
Bigtooth Aspen	35	Pole/Sapling	5	42				
Jack Pine	30	Pole	5					
Tamarack	2	Pole/Sapling	5					
Red Pine	3	Log/Pole	12					

19 4130 - Aspen Poletimber Well 37.4 41 81-110 N/A The stand should be held for 10 years. The aspen has small diameters. The terrain is hummocky. There are low depressions that are lowland shrubs. The stand is a matrix of uplands with lowlands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	8	Pole/Log/Sap	7		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Quaking Aspen	50	Pole/Sapling	7	41	Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
White Pine	2	Log/Pole/XLog	12		Paper Birch	Medium	Variable	Sapling
Bigtooth Aspen	38	Pole/Sap/Log	8	41	Red Maple	Medium	10 - 20 feet	Sapling
Paper Birch	2	Pole/Sapling	6					

20 3105 - Mixed Upland Herbaceous Nonstocked 1.0 Managed Opening Maintained wildlife opening.

21 42260 - Natural Pine, Mixed Deciduous Sawtimber Medium 10.4 45 51-80 N/A The stand has many open pockets. Pines are seeding into these openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Pole/Log	7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Jack Pine	50	Pole/Sapling	6	45	Autumn Olive	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	20	Pole/Log	7					
White Pine	10	Pole	6					
Black/Red (Hybrid) Oak	15	Pole/Sap/Log	6					

22 629 - Mixed non-forested wetland Nonstocked 24.3 No The stand is a beaver flooding that drains into a creek which flows thru a ravine. The ravine has steep slopes.

23 3105 - Mixed Upland Herbaceous Nonstocked 7.4 Managed Opening Maintained wildlife opening.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
24	4199 - Other Mixed Upland Deciduous	Sapling Poor	21.7	21	1-50	N/A	The stand was harvested in Franklin Road Harvest, sale 73-023-00. It was completed in 12/2001. All oaks, cedars and tamaracks were retained. The crown closure goes from 0 to 100% but averages 30%. The regeneration is patchy, and the oaks are becoming established. There are some pines seeding in.																																																															
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25	42200 - Natural White Pine	Sawtimber Well	11.0	50	111-140	N/A	The stand has a large drainage that bisects it.																																																															
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26	6121 - Tamarack	Poletimber Well	24.0	50	51-80	N/A	The ash has died out. The crown closure is now just over 25%. There are areas along Franklin Road where the crown closure is 90%. The southern edge has converted to lowland shrubs.																																																															
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27	4133 - Aspen, Mixed Pine	Poletimber Well	13.3	41	111-140	N/A	The stand was harvested in 8-81A. It was completed in 1981. All aspens, birches, ashes, red maples, and jack pines were cut. The oaks, hemlocks or spruces were cut as well as any red pines less than 12" DBH. The aspens, maples, and jack pines are now in the canopy.																																																															
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28	4130 - Aspen	Poletimber Well	66.1	40	81-110	N/A	There are several drainages that cross the stand. Some of these have flowing water. The terrain is hummocky. However, the stand is around 80% uplands. Most of the wet ground is in the western portion of the stand. The ash overstory is gone, but there is some ash regeneration.																																																															
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29	4133 - Aspen, Mixed Pine	Poletimber Well	28.9	41	81-110	N/A	The stand was harvested in 8-81A. It was completed in 1981. All aspens, birches, ashes, red maples, and jack pines were cut. The oaks, hemlocks or spruces were cut as well as any red pines less than 12" DBH. The stand is a mix of ridges and draws. Some of the draws are very wet and have water flowing. The uplands make up around 65%.																																															
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30	6112 - Lowland Aspen	Poletimber Medium	31.1	30	51-80	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. The stand is patchy with areas of good aspen regeneration and other spots of lowland thicket. There is a good white pine component mixed in as well.																																															
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31	4130 - Aspen	Poletimber Well	63.1	54	81-110	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The ash in the stand is gone. Therefore, some of the low wet depressions have converted to lowland shrubs. The stand gets wetter going south. The terrain is hummocky.																																															
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32	6113 - Lowland Maple	Poletimber Poor	12.8	55	1-50	N/A	The ash is gone and the area along the creek is now lowland shrubs.																																															
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33	4130 - Aspen	Sapling Medium	40.2	4	Immature	N/A	Stand cut under timber sale Two Jake Aspen 73-017-17. Stand has passed a natural regeneration check. Patchy regeneration of aspen clones. Red maple and oak are being browsed heavily by deer.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
34	6139 - Mixed Lowland Forest	Poletimber Medium	12.9	54	51-80	N/A	The stand is a knob with wet edges. The access could be gained through stand 41. The central portion is jack pine. The rest is a mix of quaking aspen, red pine, and oak. The terrain is hummocky. There are scattered openings that are filling in with jack pine. The average crown closure is around 70%.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Oak		2	Log	14		Jack Pine		
Black/Red (Hybrid) Oak		3	Log	14		Black/Red (Hybrid) Oak		
Jack Pine		35	Pole/Sapling	7		White Oak		
Red Pine		15	Log/Pole	13				
Quaking Aspen		45	Pole	7	54			
35	629 - Mixed non-forested wetland	Nonstocked	30.3			No	The stand is a mixed non-forested wetland. There are areas of marsh as well as lowland shrubs.	
36	6224 - Treed Bog	Nonstocked	17.5			No	The stand is leather leaf with pockets of conifer. The crown closure goes from 100% down to 0%, it averages around 20%.	
Sub-Canopy Species		Density	Avg. Height	Size				
Tamarack		Low		Pole				
Leatherleaf		Full		Tall Shrub				
37	4125 - Black, N. Pin Oak	Poletimber Well	24.5	28	111-140	N/A	The stand had the aspen and maple removed. There are some XL oak and red pine. The terrain is slightly hummocky.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		3	Pole/Sapling	5		Black/Red (Hybrid) Oak		
Tamarack		2	Pole	7		Red Maple		
Black/Red (Hybrid) Oak		70	Pole/Sapling	5	28			
Red Maple		5	Pole/Sapling	5				
Bigtooth Aspen		10	Pole/Sapling	5				
White Pine		10	Log	12				
38	3105 - Mixed Upland Herbaceous	Nonstocked	7.0			Managed Opening	Maintained wildlife opening.	
39	4130 - Aspen	Poletimber Well	113.5	30	81-110	N/A	The stand was harvested in Wildwood Campground, sale 73-037-90. It was completed in 1993. The western half of the stand had all the oak and white pine below 6' DBH retained. The crown closure is around 85%. The terrain is hummocky to rolling. There is a creek that bisects it. There are pockets that are low and wet. Some pockets are heavy to tag alder. Overall, the stand is around 80% uplands.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Sapling/Pole	4		Paper Birch		
Paper Birch		8	Sapling/Pole	4		Black/Red (Hybrid) Oak		
Quaking Aspen		30	Pole/Sapling	5		Red Maple		
Bigtooth Aspen		45	Pole/Sapling	6	30	Alder		
White Pine		7	Pole/Sapling	6				
40	6225 - Bog	Nonstocked	9.6			No	The stand is a leatherleaf bog with some scattered trees. The perimeter is lowland shrubs.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
41	4130 - Aspen	Sapling Medium	72.2	10	Immature	N/A	The stand was cut under the timber sale WT Popple, 73-015-10. The natural regeneration survey was done June 2018. The stand has good stocking along the road. However, there are numerous openings in the stand further away from the road. There are also areas that were rutted at the time of harvest. There is also a trace of birch regeneration.																																																	
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42	6121 - Tamarack	Poletimber Well	6.0	54	51-80	N/A	The stand is wet except the eastern edge. The stand goes from seedling to logs. The terrain is hummocky, and the soils are too wet overall.																																																	
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43	3105 - Mixed Upland Herbaceous	Nonstocked	3.0			Managed Opening	Maintained wildlife opening.																																																	
44	6229 - Mixed lowland shrub	Nonstocked	87.5	0		No	The ash has died out and the stand has converted to lowland shrubs. There are still some scattered maples but the crown closure is now below 25%.																																																	
45	6220 - Alder/willow	Nonstocked	18.9			No	The stand is lowland shrubs with some scattered trees.																																																	
46	6229 - Mixed lowland shrub	Nonstocked	2.0	0		No	The ash in the stand is gone. It has converted to lowland shrubs. There are still some birch and maple in it, but the crown closure is less than 25%. This is also a wet drainage.																																																	
47	4133 - Aspen, Mixed Pine	Poletimber Well	10.5	58	111-140	N/A	The stand has a drainage that bisects it. The ash is gone.																																																	
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48	6229 - Mixed lowland shrub	Nonstocked	1.3	0		No	The stand harvested in Lost Arrow, sale 73-048-86. It was completed in 1988. This is a depression. The ash has died out and converted to lowland shrubs.																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
49	4130 - Aspen	Sapling Well	9.1	24	Immature	N/A	The stand was harvested in the Muddy Duck Sale, 73-013-98. It was completed in June of 1998. The south edge is wet. The ash is gone, and the southern edge is moving toward lowland shrubs. The lowlands make up around 20%. The crown closure goes from 50 to 100%. The average is around 75%. The terrain is hummocky.																																																								
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50	6239 - Mixed Emergent Wetland	Nonstocked	75.4			No	The stand goes from lowland shrub to cattails to water. Most of the stand is an emergent marsh.																																																								
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51	6229 - Mixed lowland shrub	Nonstocked	2.8	0		No	Harvested in Lame Duck West sale 73-007-96 cut in January 1998. This is a depression. The ash has died out and converted to lowland shrubs.																																																								
52	4139 - Aspen, Mixed Deciduous	Sawtimber Poor	46.1	80	1-50	N/A	This stretch was not cut/included in the timber sale Two Jakes Aspen. Narrow sparse hardwood ridge with hummocky ground.																																																								
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53	6112 - Lowland Aspen	Poletimber Well	49.8	54	111-140	N/A	The ash is gone. There are portions of the stand that are too wet to harvest. There is a drainage that bisects it. The terrain is hummocky. Some of the low areas along the edges are more of a lowland shrub type.																																																								
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54	6112 - Lowland Aspen	Poletimber Well	16.6	41	81-110	N/A	The terrain varies from undulating to hummocky. The wet ground makes up between 50 to 60%. There is some beaver activity along the edges making the crown closure variable. It averages 85%.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
61	6220 - Alder/willow	Nonstocked	73.9			No	The stand goes from lowland shrubs in the east to marsh grass in the west. The west end is an old beaver flooding, but the dam is breached. The water level is lower than what is shown in the 2020 imagery. The dam has no new activity on it.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Paper Birch	Trace	Unspecified	Sapling	
								Alder	High		Tall Shrub	
								Willow spp.	Medium		Tall Shrub	
Cattail spp.	High		Non-Wood									
62	3105 - Mixed Upland Herbaceous	Nonstocked	2.4			No	The stand is a natural opening of sweet fern, blueberry, grass, and scattered oak.					
63	6225 - Bog	Nonstocked	6.7			No	The stand is mostly leather leaf except along the northwest edge.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Leatherleaf	Full		Tall Shrub	
64	6220 - Alder/willow	Nonstocked	23.9			No	The stand is a larger area of lowland shrubs with a small island of trees in the northwest corner.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Alder	Full		Tall Shrub	
								Willow spp.	Full		Tall Shrub	
65	6112 - Lowland Aspen	Poletimber Medium	27.0	38	51-80	N/A	The stand is a 50/50 mix of uplands and lowlands. The crown closure goes from 0 to 100%. The average is around 60%. All the ash is gone, and there are several wet drainages that cross it.					
								Canopy Species	% Cover	Size Class	DBH	Age
	Quaking Aspen	100	Pole	7	38							
66	4130 - Aspen	Sapling Medium	41.0	10	Immature	N/A	Stand was cut under timber sale WT Popple Sale #73-015-10. Natural regeneration survey was done June 2018. The regeneration is fair. However, there are numerous openings in the stand. The overall crown closure is around 60%.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	40	Sapling	1	10
								Bigtooth Aspen	40	Sapling	1	10
								Red Maple	15	Sapling	1	
								Northern Pin Oak	5	Sapling	1	
67	4130 - Aspen	Sapling Well	12.8	25	1-50	N/A	The stand was harvested in Lame Duck West, sale 73-007-96. It was completed in January 1998. The northwest corner (less than 2 acres) only had the aspen removed during the harvest. The stand is mainly uplands, but there are several drainages that cross it. There are also some wet pockets. The terrain is generally flat with some minor hummocks, except along the drainages which are in ravines. The crown closure goes from 40 to 100%. The average is around 85%. The stand is transitioning into poles.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	5	Sapling/Pole	4	
								Red Maple	10	Sapling/Pole	2	
								Bigtooth Aspen	40	Pole/Sapling	5	25
								White Pine	5	Sapling/Pole	4	
								Quaking Aspen	40	Sapling/Pole	4	25
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	
								White Pine	Low	5 - 10 feet	Sapling	
Red Maple	Medium	10 - 20 feet	Sapling									
68	6220 - Alder/willow	Nonstocked	7.3			No	The stand is heavy to willow, and it is very wet.					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
69	6112 - Lowland Aspen	Poletimber Well	5.1	38	81-110	N/A	The stand is wetter than stand 78. The terrain is hummocky.																																									
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70	6112 - Lowland Aspen	Poletimber Well	12.6	35	81-110	N/A	The stand was harvested in Lost Arrow, sale 73-048-86. It was completed in 1988. The stand is just poles. The site index seems low. The stand is self-thinning. The understory and ground cover are dense. The crown closure is around 90%.																																									
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71	4130 - Aspen	Poletimber Well	21.8	49	81-110	N/A	The stand is about 55% uplands. The east end has smaller diameter trees and is heavy to birch. The west side is ready to be harvested. The terrain is hummocky. There are pockets that will be too wet to harvest. The crown closure goes from 50 to 100%.																																									
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72	42200 - Natural White Pine	Sawtimber Well	5.7	80	141-170	N/A	The stand was left for visual management. There are a couple of drainages that cross it. The aspen in the stand is declining.																																									
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73	500 - Water	Nonstocked	5.1			No	This is a creek that flows into the Tittabawassee. It is in a ravine with a wet bottom.																																									
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74	4130 - Aspen	Sapling Well	28.5	25	1-50	N/A	The stand was harvested in Lame Duck West, sale 73-007-96. It was completed in January 1998. The terrain is generally level but there are some wet depressions. Overall, it is around 70% uplands.																																									
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75	6229 - Mixed lowland shrub	Nonstocked	18.5	0		No	The stand is a remnant of an old beaver flooding. It has filled in with lowland shrubs. There are still areas of standing water.																																									
76	6229 - Mixed lowland shrub	Nonstocked	38.3	0		No	The stand is a remnant of an old beaver flooding. It has filled in with lowland shrubs. There are still areas of standing water.																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
77	4130 - Aspen	Poletimber Well	7.1	35	111-140	N/A	The stand was harvested in Lost Arrow, sale 73-048-86. It was completed in 1988. There is a drainage that cuts through the stand. The terrain is slightly hummocky. The lowlands make up only 10% of the stand. The crown closure goes from 50 to 100% but averages 85%.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		7	Sapling/Pole	3		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		15	Log/Pole/Sap	12		Serviceberry (Juneberry)		Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen		45	Pole	8	35	Red Maple		Medium	>20 feet	Sapling
White Pine		3	Sapling/Pole	3						
Quaking Aspen		30	Pole/Sapling	7	35					
78	4130 - Aspen	Poletimber Well	64.3	38	81-110	N/A	The stand has some low wet pockets. Some of them are non-forested. The crown closure goes from 25-100%. The average is around 80%. The lower areas have a thick understory of maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Pole/Sapling	5		Red Maple		Medium	10 - 20 feet	Sapling
Paper Birch		5	Sapling/Pole	4		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling
Quaking Aspen		40	Pole/Sapling	7						
Bigtooth Aspen		45	Pole	8	38					
79	42210 - Natural Red Pine	Sawtimber Medium	4.9	113	51-80	N/A	This is the former Wildwood Shores State Forest Campground. It is gated and has limited acres. It was thinned in 2008 in Campground Aspen, sale 73-019-06 as a shelterwood prep cut leaving 50 BA of red pine and oak. Regeneration is starting along Wildwood Road and along the private ownership. The regeneration in the rest of the stand is limited because it is open for camping during deer season.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Pole	6		Red Maple		Low	>20 feet	Pole
White Pine		15	Log/Pole/XLog	11						
Quaking Aspen		3	Log	11						
Red Maple		10	Pole/Log	7						
Red Pine		70	Log	10	113					
80	4130 - Aspen	Sapling Well	18.4	25	1-50	N/A	The stand was harvested in Lame Duck West, sale 73-007-96. It was completed in January 1998. The stand is currently transitioning into poles. The crown closure is around 85%. There are some openings in the eastern portion of the stand. The lower ground and disturbed areas are heavy to birch. The white pine that was left goes from 3" to 10" and most of it is open grown.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		20	Pole/Sapling	5		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling
Quaking Aspen		70	Sapling/Pole	4	25	Red Maple		Low	10 - 20 feet	Sapling
Paper Birch		8	Sapling	3						
White Pine		2	Pole	5						
81	4130 - Aspen	Sapling Well	4.6	15	Immature	N/A	The stand was harvested in 2008 as part of Campground Aspen, sale 73-019-06. It has regenerated well. There are some white pine seedlings.			
Canopy Species		% Cover	Size Class	DBH	Age					
Paper Birch		15	Sapling	2						
Quaking Aspen		80	Sapling	2	15					
White Pine		5	Sapling	2						
82	6229 - Mixed lowland shrub	Nonstocked	9.8	0		No	A majority of the stand is dense lowland shrub with minor upland islands and swamp hardwoods.			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
83	6113 - Lowland Maple	Sawtimber Poor	4.8	90	1-50	N/A	The terrain is hummocky. Overall, the stand is too wet to harvest. The ash is gone and there is some wind throw that has lowered the crown closure to around 30%.																																																																		
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84	629 - Mixed non-forested wetland	Nonstocked	4.4			No	The stand is about 50% lowland shrubs and 50% leather leaf.																																																																		
85	4131 - Aspen, Oak	Poletimber Well	21.4	45	111-140	N/A	Well stocked aspen stand with a minor oak component. Red maple and white pine are recruiting in the understory. Portions of the stand have lower ground & will need to be harvested in the winter.																																																																		
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86	6220 - Alder/willow	Nonstocked	2.1			No	The stand is a depression of alder and willow. There are some trees around the perimeter.																																																																		
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87	6112 - Lowland Aspen	Poletimber Poor	14.5	30	51-80	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. The stand is patchy and mainly lowland.																																																																		
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88	4130 - Aspen	Poletimber Medium	29.8	30	81-110	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. The canopy closure is around 75%. About a 50/50 mix of upland and lowland ground.																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
89	4130 - Aspen	Sapling Medium	9.5	14	Immature	N/A	The stand was harvested in 3/2008 in Trembling Duck Aspen, sale 73-003-06. The regeneration is patchy. The crown closure is variable going from 10% to 100%, but it averages 50%. The terrain is hummocky. Some of the openings in the stand are herbaceous upland.																																													
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90	4130 - Aspen	Poletimber Well	36.6	35	111-140	N/A	The stand was harvested in Lost Arrow sale 73-048-86 completed 1988. The stand is mostly uplands with about 20% lowlands. Some of the low pockets are alder.																																													
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91	6112 - Lowland Aspen	Poletimber Poor	31.7	30	81-110	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. Stand is continuing to fill in. The southern end of the stand is wetter.																																													
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Quaking Aspen	63	Pole	6	30																																																
92	6124 - Lowland Spruce-Fir	Poletimber Poor	6.7	34	1-50	N/A	The ash is gone. The crown closure along Herner Road is around 100% but it grades down to 20% going west. The average is around 30%.																																													
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Balsam Fir	25	Pole/Sapling	5																																																	
93	6224 - Treed Bog	Nonstocked	21.3	0	Unspecified	No	There are scattered hardwoods in the overstory with heavy tag alder and areas of leatherleaf.																																													
94	629 - Mixed non-forested wetland	Nonstocked	11.8			No	The stand appears to be an old beaver flooding that is still holding water. There are no new sign of beaver activity around the flooding.																																													
95	6112 - Lowland Aspen	Poletimber Well	93.2	45	111-140	N/A	The stand is a mixture of uplands and lowlands. The lowlands make up around 65% of the stand. It is manageable. The ash is gone, for the most part. There are some scattered ashes that are less than 6" DBH. However, they have EAB. The crown closure is around 95%. There is ash regeneration in the lower areas.																																													
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96	6220 - Alder/willow	Nonstocked	17.7	0	Unspecified	No	Lowland tag alder thicket with a few scattered canopy hardwoods.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
97	6220 - Alder/willow	Nonstocked	18.8			No	The stand is mainly lowland shrubs with pockets of maple, birch, and lowland conifer.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Willow spp.	Full	5 - 10 feet	Tall Shrub	
								Red Maple	Low	Unspecified	Sapling	
98	4130 - Aspen	Poletimber Medium	11.4	46	81-110	N/A	The stand is patchy. Around 60% canopy closure. There is oak and white pine that has seeded in and is reaching the pole sized class.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	77	Pole	7	46
								Red Maple	10	Log/Pole	11	
								Black/Red (Hybrid) Oak	7	Pole/Sapling	6	
								White Pine	3	Pole	9	
								Paper Birch	3	Pole	6	
Sub-Canopy Species	Density	Avg. Height	Size									
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling									
White Pine	Low	< 5 feet	Sapling									
Willow spp.	Low	< 5 feet	Tall Shrub									
99	6139 - Mixed Lowland Forest	Poletimber Poor	6.7	41	81-110	N/A	A pocket of tamarack surrounded by maple lowlands. Overall a pole sized stand					
								Canopy Species	% Cover	Size Class	DBH	Age
								Tamarack	40	Pole	6	41
								Paper Birch	5	Pole	6	
								White Pine	5	Pole	8	
								Black/Red (Hybrid) Oak	15	Pole/Sap/Log	8	
								Red Maple	25	Pole	8	
Quaking Aspen	10	Pole	7									
Sub-Canopy Species	Density	Avg. Height	Size									
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White Pine	Low	5 - 10 feet	Sapling									
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling									
Tag Alder	Low	5 - 10 feet	Tall Shrub									
100	4130 - Aspen	Sapling Medium	80.6	6	Immature	N/A	The stand was harvested in the winter of 2016/2017. The sale was Bowman Harvest, sale 73-007-15-01. The desired stocking was achieved at the time of sale closure. The regeneration is patchy and ranges from 100% down to 0%. The average is around 60%. The composition and density are related to wetness. The stand is about 55% uplands..					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	30	Sapling	1	
								Black/Red (Hybrid) Oak	5	Sapling	1	
Quaking Aspen	65	Sapling	1	6								
101	4130 - Aspen	Sapling Well	19.8	27	1-50	N/A	The stand was harvested in Muzzle-Loader, sale 73-003-95. It was completed in the winter of 95/96. The stand is coming along well, and it is uniform compared to the rest of the sale units. Overall, the density of the regeneration is high with a few scattered openings. The terrain is slightly hummocky.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	35	Sapling/Pole	4	27
								Bigtooth Aspen	60	Sapling/Pole	4	27
								Red Maple	5	Sapling/Pole	3	
Sub-Canopy Species	Density	Avg. Height	Size									
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling									
Red Maple	Low	5 - 10 feet	Sapling									
102	310 - Herbaceous Openland	Nonstocked	10.5	0	Unspecified	No	Open grown stand with little regeneration.					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103 6139 - Mixed Lowland Forest Poletimber Poor 8.3 47 51-80 N/A Lowland stand with leatherleaf and blueberry in the understory. Stand is roughly 30-40% canopy cover, but separated out from stand 380 due to lowland ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Log/Pole	12		Red Maple	Low	10 - 20 feet	Sapling
White Pine	33	Pole/Log	9	47	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Jack Pine	2	Pole	8		White Pine	Medium	5 - 10 feet	Sapling
Tamarack	10	Pole	6		Quaking Aspen	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	9		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Quaking Aspen	25	Pole	8	47				
Red Maple	5	Log	11					
Red Pine	5	Pole/Log	8					

105 4130 - Aspen Sapling Well 47.4 27 N/A The stand was harvested in Muzzle-Loader, sale 73-003-95. It was completed in the winter of 95/96. The crown closure is closer to 75%. There are large areas of low-density trees. The terrain is undulating with areas that are very dry and other areas that are holding water. There are several drainages that cross it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	70	Sapling/Pole	4	27	Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	16	Pole/Sapling	5		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Red Maple	2	Log/XLog	14		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	2	Log/XLog	16		Red Maple	Medium	Variable	Sapling
Paper Birch	10	Sapling/Pole	3					

106 6229 - Mixed lowland shrub Nonstocked 13.5 No The ash in the stand is gone and the crown closure is below 25%. There are still some scattered maples.

107 6229 - Mixed lowland shrub Nonstocked 17.1 No The stand is mainly lowland shrubs with some swamp hardwoods along the edges.

108 622 - Lowland Shrub Nonstocked 207.6 No The stand is lowland shrubs with some scattered islands of upland. The upland areas are inaccessible.

109 4130 - Aspen Poletimber Well 16.9 49 81-110 N/A The stand is a ridge that is hummocky. The edges are wet. The aspen is showing signs of decline.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	95	Pole/Log	9	49	Serviceberry (Juneberry)	Medium	10 - 20 feet	Tall Shrub
Red Maple	5	Pole/Sapling	6		Red Maple	High	Variable	Sapling

111 4130 - Aspen Sapling Medium 7.1 26 1-50 N/A The stand was harvested in OBJ Truck Trail sale 73-006-96 sale closed 1997.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Sapling	2		Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	40	Sapling	3					
Black/Red (Hybrid) Oak	2	Sapling	1					
Quaking Aspen	48	Sapling	2	26				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
113	4130 - Aspen	Poletimber Well	31.6	35	111-140	N/A	The stand was harvested in Lost Arrow, sale 73-048-86. It was completed in 1988. The terrain is hummocky and about 75% uplands. The crown closure is around 80%. The stand has some pockets of lowland shrubs.																																														
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114	6113 - Lowland Maple	Poletimber Poor	15.5	90	1-50	N/A	The stand goes from well to poorly stocked. The tamarack is in pockets on the wettest ground. The stand is a matrix of uplands and lowlands with the lowlands being the majority. All the ash is dead. The stand is now a low-density stand.																																														
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115	6220 - Alder/willow	Nonstocked	26.9			No	The stand is mainly lowland shrubs with some scattered trees.																																														
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116	6220 - Alder/willow	Nonstocked	46.1			No	The stand goes from marsh to lowland shrubs to low density trees over wet soils.																																														
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121	6230 - Cattail	Nonstocked	8.6			No	There is some standing water in the stand. Majority of stand is cattails with scattered hardwoods.																																														
122	6220 - Alder/willow	Nonstocked	8.4			No	The stand is a depression of mainly lowland shrubs. There are some scattered swamp hardwood seedlings.																																														
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123	4130 - Aspen	Sapling Medium	55.3	27		N/A	The stand was harvested in Muzzle-Loader, sale 73-003-95. It was completed in the winter of 95/96. This stand is a matrix of uplands and lowlands with the uplands being the majority. The aspen in the stand is mainly in pockets. There are large areas of open herbaceous and lowland shrubs. The crown closure goes from 20% to 100% with an average of 60%.																																														
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124	6220 - Alder/willow	Nonstocked	9.8			No	There are scattered swamp hardwoods around the perimeter. Most of the stand is tag alder and willow with some areas being open.																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
126	6229 - Mixed lowland shrub	Nonstocked	32.4	0		No	The ash in the stand is now gone. It has converted to lowland shrubs. There are still pockets of trees, but they are too small to map.																																										
127	4130 - Aspen	Sapling Well	17.6	34	1-50	N/A	The stand was cut under timber sale Lost Arrow sale 73-048-86 completed 1988.																																										
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Common Blackberry	Medium	< 5 feet	Tall Shrub																																														
130	6225 - Bog	Nonstocked	14.1			No	The stand is mainly leather leaf with some scattered trees.																																										
131	629 - Mixed non-forested wetland	Nonstocked	9.3			No	This is an active beaver flooding. The shrubs around the flooding are heavy to willow.																																										
132	4130 - Aspen	Sapling Well	14.3	26	1-50	N/A	The stand was harvested in OBJ Truck Trail sale 73-006-96 sale closed 1997.																																										
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133	6112 - Lowland Aspen	Sapling Medium	29.7	15	Immature	N/A	Clear-cut with reserves in 2008 in Campground Aspen Sale #73-019-06. Stand has patchy regeneration with a high density of tag alder in the northern half. No tamarack or spruce cut during harvest.																																										
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134	629 - Mixed non-forested wetland	Nonstocked	22.8			No	The stand is predominantly lowland shrubs. There are scattered islands of trees and areas of marsh.																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
135	42290 - Natural Mixed Pine	Sawtimber Medium	28.6	80	1-50	N/A	The stand was harvested by removing the hardwoods. Harvested was in 3/2008 in Trembling Duck Aspen sale 73-003-06. The terrain is hummocky to undulating. It is a matrix of uplands and lowlands with the uplands being the majority.																																																						
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136	4130 - Aspen	Poletimber Medium	59.1	32	51-80	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The density is variable going from well to poorly stocked. All species are patchy. The diameters get smaller going north. The stand has inclusions of lowland shrubs. The terrain is hummocky with drains that cross it.																																																						
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137	4116 - Mixed N. Hardwood - Aspen	Sawtimber Medium	45.4	89	51-80	N/A	The stand is variable going from well to poorly stocked. The terrain is hummocky to undulating. There are inclusions of lowland shrubs. All the ash is gone. There are drainages crossing the stand.																																																						
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138	310 - Herbaceous Openland	Nonstocked	18.4	0		413 - Aspen	The terrain is hummocky. The stand is a matrix of uplands and lowlands with the uplands being the majority. Clear cut with retention winter 2017/2018, Bowman Harvest 73-007-15-01. A natural regen check was conducted in Nov 2022. Minimal regeneration has reached 6'. There is sign of aspen, maple and oak starting to regenerate but stand will need revisited at a later date for a follow up survey.																																																						
139	622 - Lowland Shrub	Nonstocked	4.2			No	This is a corner of stand 154 that is heavy to tag alder. There is sparse dead ash in the overstory. Too wet for any commercial harvests.																																																						
140	6220 - Alder/willow	Nonstocked	221.1			No	A large L type varying from pole red maple to areas of tag alder and willow.																																																						
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141	4199 - Other Mixed Upland Deciduous	Poletimber Medium	13.0	34	51-80	N/A	The terrain is hummocky. There is a pocket of pine in the south end but is mainly hardwoods. The stand is a matrix of uplands and lowlands with the uplands being about 80%.																																															
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142	6229 - Mixed lowland shrub	Nonstocked	8.1	0		No	The ash is gone, and the stand has converted to lowland shrubs. There are still some maples scattered but the crown closure is below 25%.																																															
143	6229 - Mixed lowland shrub	Nonstocked	4.6			No	The stand is not overly wet but still lowland shrubs.																																															
144	6220 - Alder/willow	Nonstocked	11.1			No	This stand is mainly tag alder and willow. There are inclusions of non-forested wetlands.																																															
146	4130 - Aspen	Sapling Well	19.0	14	Immature	N/A	The stand was harvested in 3/2008, in Trembling Duck Aspen, sale 73-003-06. The stand is a matrix of uplands and lowlands. The stand is about 75% uplands. On the uplands the regeneration is fair to good; in the lowlands the regeneration is poor to non-forested.																																															
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148	4130 - Aspen	Sapling Medium	28.0	5	Immature	N/A	Clear cut with retention winter of 2017/2018. Bowman Harvest 73-007-15-01. Natural regen survey conducted Nov 2022 during inventory. Stand has regenerated patchy in lowland pockets. There are more spruce seedlings & tag alder in the northern half of stand.																																															
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149	4130 - Aspen	Sapling Medium	27.4	27		N/A	The stand was harvested in Muzzle-Loader, sale 73-003-95. It was completed in the winter of 95/96. Overall, this part of the sale has regenerated better than the rest of the sale units. The stand is hummocky with several drainages running through it. The drainages run from north to south connecting non-forested wetlands. There are some open areas in the southern portion.																																															
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151	6112 - Lowland Aspen	Sapling Medium	39.4	5	51-80	N/A	The stand was harvested as a selection in the winter of 2017/2018, Bowman Harvest, sale 73-007-15-01. The crown closure goes from 25 to 60%. The average is closer to 50%. The stand is a matrix of uplands and lowlands with the lowlands being the majority. There are portions of the stand that were too wet to harvest. The ash is gone.																																																			
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153	3301 - Low Density Deciduous Trees	Nonstocked	16.0			No	This stand was harvested in 1996 and has not regenerated. The terrain is hummocky. It is a matrix of uplands and lowlands with the uplands being the majority.																																																			
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154	4130 - Aspen	Sapling Well	65.8	34	1-50	N/A	Stand cut under timber sale Aspen Soup 73-013-85. It is a matrix of uplands and lowlands with the uplands being the majority. There are inclusions of lowland shrubs and leather leaf. There are multiple drainages running through the stand. The SI appears to go from 50 to 65.																																																			
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155	4130 - Aspen	Sapling Medium	45.4	5	Immature	N/A	Matrix of lowland with upland ridges and knolls. Clear cut with retention winter of 2017/2018. Bowman Harvest 73-007-15-01. Stand is closer to 25% canopy cover in the southern quarter. Heavy browse in areas.																																																			
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157	629 - Mixed non-forested wetland	Nonstocked	21.8			No	The stand is variable, and it ranges from open water to lowland shrubs.																																																			
158	3102 - Grass	Nonstocked	6.7			No	This stand was harvested in 1996 and has not regenerated. It is a ridge that is mainly poverty grass with sweet fern. There is some white pine along the west side of the stand. The crown closure is now around 15%.																																																			
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159	6220 - Alder/willow	Nonstocked	20.0			No	The ground cover is marsh grass. There are some dryer areas in the western portion of the stand.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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160 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 11.8 26 81-110 N/A Lowland spruce stand with a minor component of maple and aspen recruiting. Heavier to pole sized maple along the western edge. Harvested in OBJ Truck Trail sale 73-006-96 sale closed 1997.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	43	Pole	6	26	Alder	Medium	10 - 20 feet	Tall Shrub
Tamarack	28	Pole/Sapling	5					
Paper Birch	5	Sapling/Pole	4					
Red Maple	12	Pole/Sapling	5					
Bigtooth Aspen	12	Pole/Sapling	5					

161 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 25.2 50 81-110 N/A The stand was harvested in OBJ Truck Trail sale 73-006-96 sale closed 1997. The hardwoods were removed and all spruce and tamarack retained. It is variable. It goes from areas of thick spruce to areas of low density oak and aspen regeneration. There are inclusions of lowland shrubs also present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Sapling/Pole	2		Black Spruce	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	2	Sapling	2		Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
Tamarack	10	Sapling/Pole	3		Tamarack	Low	Variable	Sapling
Black Spruce	50	Pole/Sapling	6	50	Deciduous Saplings	Low	5 - 10 feet	Sapling

162 4130 - Aspen Poletimber Poor 5.8 38 51-80 N/A There may be an old homestead in the stand. The trees are in scattered pockets. White pine stump field is present but the number of stumps is not extensive. The terrain is hummocky

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	3	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Quaking Aspen	51	Pole	7	38	Willow spp.	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	24	Pole	7					
Black/Red (Hybrid) Oak	2	Pole	5					
Scotch Pine	5	Pole	6					

165 4130 - Aspen Sapling Medium 47.6 14 Immature N/A The stand was harvested in 3/2008, in Trembling Duck Aspen, sale 73-003-06. All the white pines were left during the harvest. The stand is a matrix of uplands and lowlands with the uplands being the majority. The lowlands include pockets of tag alder and willow, and areas of cattails. The crown closure ranges from 20 to 100% and averages 70%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Sapling	2	14	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	15	Sapling	2		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	15	Log/Pole/Sap	15					
Bigtooth Aspen	20	Sapling	3					

166 3105 - Mixed Upland Herbaceous Nonstocked 9.1 No The stand is a matrix of uplands and lowlands with the uplands being the majority. The terrain is hummocky to undulating. The stand was harvested in 1998 and has not regenerated well. The uplands make up about 65%. There are drainages going through the stand. These are lowland shrub types.

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High		Tall Shrub
Sweet Fern	Medium		Tall Shrub
White Pine	Low		Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
168	3303 - Mixed Low Density Trees	Nonstocked	8.9		Unspecified	No	The stand was harvested in the summer of 2008. The regeneration is present but it is not coming in strong.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Northern White Cedar	Low		Pole	
								Red Maple	Trace		Sapling	
								Oak (spp.)	Low		Seeding	
Aspen (spp.)	Low		Sapling									
169	6113 - Lowland Maple	Poletimber Well	18.8	82	51-80	N/A	The stand is low and very wet. The east end becomes a lowland shrub type mixed with swamp hardwoods. It is too wet to harvest.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Northern White Cedar	5	Pole	6	
								Red Maple	80	Log	14	82
								Paper Birch	15	Pole/Sapling	5	
Sub-Canopy Species	Density	Avg. Height	Size									
Tag Alder	Medium	5 - 10 feet	Tall Shrub									
Northern White Cedar	Low	>20 feet	Pole									
170	6229 - Mixed lowland shrub	Nonstocked	10.1			No	The stand was harvested 4 years ago in Trembling Duck Aspen 73-003-06 and has not regenerated well. It is mainly tag alder with some upland inclusions. There are inclusions of non-forested uplands as well as cattail lowlands. The terrain is hummocky.					
171	4140 - Other Upland Deciduous	Poletimber Poor	7.8	82	1-50	N/A	The stand is on a droughty ridge. The ground cover is mainly poverty grass with some sweet fern and blueberry. The birch is overmature and it is coming down. The access to the stand is difficult. Also the stand is a white pine stump field.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Tamarack	5	Pole/Sapling	5	
								Paper Birch	65	Pole	8	82
								Red Maple	30	Pole/Log	10	
172	6229 - Mixed lowland shrub	Nonstocked	9.7	0		No	The ash is gone. The stand has converted to lowland shrubs. There are still some scattered maples, but the crown closure is below 25%.					
173	6229 - Mixed lowland shrub	Nonstocked	9.0			No	The stand is mainly tag alder and willow with marsh grass. The shrubs are not overly tall, they average approximately 3'.					
177	4139 - Aspen, Mixed Deciduous	Poletimber Poor	18.5	57	1-50	N/A	The stand was set up for sale and was not cut. It was part of the Drainage Edge Aspen, sale 73-008-15-01. The aspen has poor form. The terrain is hummocky to undulating. The stand has a lot of white pine stumps scattered through it. The southern leg is wet which limits the access.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	8	Log/Pole	12	
								Paper Birch	15	Pole	8	
								Quaking Aspen	40	Pole	6	57
Choke Cherry	37	Sapling/Pole	4									
178	6113 - Lowland Maple	Sawtimber Medium	23.9	81	51-80	N/A	Overall, the stand is too wet to harvest. The terrain is hummocky with a lot of standing water. There is a creek flowing through it. All the ash is gone. The crown closure is below 25% at the south end and 80% in the northern end.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	61	Log/Pole	13	81
								Quaking Aspen	39	Log	13	
								Sub-Canopy Species	Density	Avg. Height	Size	
Musclewood/Hornbeam	Medium	10 - 20 feet	Sapling									
Tag Alder	High	10 - 20 feet	Tall Shrub									
Deciduous Saplings	Low	10 - 20 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
179	6113 - Lowland Maple	Poletimber Medium	17.6	48	51-80	N/A	The stand is a matrix of slight ridges and lowland swales. The lowland areas make up the majority of the stand. The trees are variable in both density and size. Many of the lowland areas are lowland shrub types and the ridges are red maple.																																		
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Leatherleaf	Low	< 5 feet	Tall Shrub																																						
180	42210 - Natural Red Pine	Sawtimber Well	5.7	61	81-110	N/A	This stand may have been a plantation. The rows are hard to distinguish. Overall it looks more like a natural stand.																																		
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Red Pine	93	Log/Pole	14	61																																					
182	6115 - Lowland Ash	Sawtimber Well	8.8	72	51-80	N/A	The east half of the stand is too wet to harvest. The west half could be managed but access could be a problem.																																		
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184	6113 - Lowland Maple	Sawtimber Poor	38.1	67	1-50	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. Overall, the stand is too wet to harvest. Portions of the stand are tag alder with no overstory. The crown closure is now closer to 25%.																																		
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185	310 - Herbaceous Openland	Nonstocked	48.3	0		No	Stand cut under timber sale Two Jake Aspen 73-017-17.																																		
186	3102 - Grass	Nonstocked	2.1			Managed Opening	Mowing is needed to maintain the opening.																																		
187	6220 - Alder/willow	Nonstocked	40.9			No	The stand is mainly tag alder and willow. There are scattered maples in the stand.																																		
188	6229 - Mixed lowland shrub	Nonstocked	61.5			No	The stand is mainly tag alder. There are scattered swamp hardwoods around the perimeter and on the upland islands located throughout the stand. The overall crown closure is well under 25% after the ash die-off.																																		
189	6229 - Mixed lowland shrub	Nonstocked	88.9			No	The stand is a mixture of lowland shrubs, marsh grass, and scattered swamp hardwoods. The crown closure is around 10%.																																		
190	629 - Mixed non-forested wetland	Nonstocked	9.8			No	The stand is a mixture of lowland shrubs, emergent wetlands, and water.																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
191	42220 - Natural Jack Pine	Poletimber Well	4.8	41	81-110	N/A	The stand is quite dense in the central portion. It becomes fairly sparse along the edges. There is some seeding of spruce, jack pine and red pine in the open areas along the edges of the stand.																																				
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192	42320 - Upland Spruce	Poletimber Medium	6.1	51	51-80	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The trees are variable going from seedlings to poles and from low to high density. There is significant seeding in of spruce, jack pine, and red pine occurring naturally in the open areas.																																				
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193	6220 - Alder/willow	Nonstocked	14.4			No	The stand is mainly tag alder with willow. In addition, there are scattered swamp hardwoods and spruce along the perimeter.																																				
194	629 - Mixed non-forested wetland	Nonstocked	167.9		Immature	No	The stand has a good representation of several species of lowland shrubs. However, the south end is more like an emergent wetland.																																				
196	3102 - Grass	Nonstocked	5.6			Managed Opening	Mowing is needed to maintain the opening.																																				
197	4134 - Aspen, Spruce/Fir	Poletimber Well	5.4	44	81-110	N/A	The stand is a matrix of uplands and lowlands with the uplands being about 60%. A small mixed stand that gradually transitions into a lowland type.																																				
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198	4130 - Aspen	Sapling Well	55.4	6	Immature	N/A	The terrain is hummocky to undulating. The stand is a matrix of uplands and lowlands with the uplands being the majority. There are numerous small drainages that flow east to west through the stand. Clear cut with retention 8/2016 Drainage Edge Aspen 73-008-15-01.																																				
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199	3102 - Grass	Nonstocked	5.8			No	This is an area of poverty grass with some sweet fern. The site is used heavily as a camping area during the hunting season.																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
200	6112 - Lowland Aspen	Poletimber Poor	19.5	46	51-80	N/A	The stand is very patchy & is close to the 25% canopy closure. Very hummocky ground with a few scattered upland islands where the aspen clones are located.																																																							
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201	4130 - Aspen	Sapling Well	14.7	10	Immature	N/A	The stand was harvested in the summer of 2012 under the timber sale South Bourette 73-012-08. The natural regeneration was surveyed in June 2018. The stand is heavy to quaking aspen. There are pockets of balsam poplar and pockets of bigtooth aspen. The open areas are mainly the low ground.																																																							
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203	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	10.3	27		N/A	Stand was harvested in Muzzle-Loader Sale #73-003-95 completed winter 95/96. The stand is a matrix of uplands and lowlands with the lowlands being the majority. The terrain is hummocky. The white pine has been attacked by weevils repeatedly.																																																							
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204	4130 - Aspen	Sapling Well	10.3	16	Immature	N/A	In 2006 the stand was harvested. It has regenerated well overall. However, there are areas of open ground, mainly in the northern portion of the stand.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
205	6113 - Lowland Maple	Poletimber Poor	50.6	82	1-50	N/A	This stand is low and wet. The trees are on hummocks surrounded by water. It is expected to convert to low density trees or lowland shrubs in 10 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		85	Pole/Sap/Log	9	82	Tag Alder		High	5 - 10 feet	Tall Shrub
American Elm		15	Pole	5		Red Osier Dogwood		Low	5 - 10 feet	Tall Shrub
						Michigan Holly		Medium	5 - 10 feet	Tall Shrub
206	4130 - Aspen	Poletimber Well	9.4	21	81-110	N/A	Well stocked aspen stand that is starting to gain a measurable basal area			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		5	Sapling	3						
Black Cherry		5	Sapling	3						
Bigtooth Aspen		90	Pole/Sapling	5	21					
207	629 - Mixed non-forested wetland	Nonstocked	302.2			No	A large lowland stand heavy to marsh grass with some lowland shrubs and leather leaf. There are a few upland islands located throughout the stand.			
208	4130 - Aspen	Poletimber Well	55.9	32	111-140	N/A	The terrain is hummocky. The stand is a matrix of uplands and lowlands with the uplands being the majority. There are inclusions of lowland shrubs as well as open herbaceous. The density is variable going from well to poorly stocked. The white pine is in a pocket but is less than one acre in size. The crown closure ranges from 50 to 100%, the average is 80%.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10	Log/Pole/XLog	13		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen		35	Pole/Sapling	7	32	Blackberry/Raspberry		Low	< 5 feet	Tall Shrub
Paper Birch		5	Pole/Sapling	5		Deciduous Shrubs		Medium	< 5 feet	Tall Shrub
Red Maple		5	Pole/Sapling	6		Common Blackberry		Medium	< 5 feet	Tall Shrub
Quaking Aspen		45	Pole/Sapling	7	32					
209	6113 - Lowland Maple	Sawtimber Medium	16.6	82	1-50	N/A	The stand is variable going from well to poorly stocked. The terrain is hummocky. It is a matrix of uplands and lowlands with the uplands being about 20%. The area gets wetter going south.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		10	Pole	7		Deciduous Shrubs		Medium	5 - 10 feet	Tall Shrub
Red Maple		80	Log	15	82	Ash (spp.)		Medium	Variable	Sapling
Paper Birch		10	Pole	8		Tag Alder		High	5 - 10 feet	Tall Shrub
						Red Maple	Medium	Variable	Sapling	
210	3202 - Autumn Olive/Honeysuckle	Nonstocked	13.7		Immature	No	Herbaceous openland with heavy raspberry & scattered pockets of cherry & maple. Stand shows heavy sign of fire & cultivation steps.			
211	6229 - Mixed lowland shrub	Nonstocked	12.3			No	The stand is mainly tag alder with portions of it being non-forested wetlands. There is an inclusion of phragmites in the stand.			
212	3302 - Low Density Conifer Trees	Nonstocked	9.5		Immature	No	The stand is sparse with white pine. The pine is in pockets. There is also some spruce and balsam fir present. The stand shows heavy sign of fire with burnt out trees & a plow furrow around the perimeter of stand.			
Sub-Canopy Species		Density	Avg. Height	Size						
Black/Red (Hybrid) Oak		Low	10 - 20 feet	Pole						
White Pine		Low	>20 feet	Pole						
Balsam Fir		Trace	>20 feet	Pole						
Red Maple		Trace	>20 feet	Log						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
213	3102 - Grass	Nonstocked	5.2			Managed Opening	The stand is a maintained wildlife opening. The ground cover is still sparse and the pasture mix is not well established.		
214	4130 - Aspen	Poletimber Medium	6.6	42	51-80	N/A	The stand is extremely patchy. There are pockets of aspen that are about 41 years old. However, there are some larger diameter red maple scattered in it with pockets of red maple saplings. The open areas are heavy to autumn olive and raspberries.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		80	Pole	8	42	Autumn Olive	High	5 - 10 feet	Tall Shrub
Red Maple		20	Log/Pole	13		Red Pine	Trace	>20 feet	Pole
215	4130 - Aspen	Poletimber Well	6.1	37	111-140	N/A	The stand is a matrix of uplands and lowlands with the uplands being about 75%. A well stocked aspen stand with good quality. Part of timber sale Birch Special 73-040-84.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		5	Pole	6		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple		15	Pole	6		Balsam Fir	Low	>20 feet	Sapling
Quaking Aspen		80	Pole	7	37	Red Maple	Low	5 - 10 feet	Sapling
216	6113 - Lowland Maple	Sawtimber Poor	31.9	86	1-50	N/A	The stand was harvested in the summer of 2012 under timber sale South Bourette, sale 73-012-08. The regeneration is coming in well. The terrain is hummocky.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood		5	Log/Pole	13		Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		15	Log/Pole	13		Musclewood/Hornbeam	Low	5 - 10 feet	Sapling
Red Maple		80	Log	12	86	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
						Quaking Aspen	Medium	5 - 10 feet	Sapling
217	6220 - Alder/willow	Nonstocked	21.1		Immature	No	The stand is heavy to tag alder with scattered swamp hardwoods. The terrain is hummocky. The ground cover is marsh grass.		
219	6239 - Mixed Emergent Wetland	Nonstocked	5.0			No	The stand is an old beaver flooding. The dam is breached. It is now more of a beaver meadow.		
220	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	46.2	75	81-110	N/A	Variable density hardwoods stand. Areas measure anywhere from 130 ba/acre down to 20-40 ba/acre in some of the upland openings. It has inclusions of lowlands and open uplands. Red maple is the dominant species with aspen falling out of the canopy. The southern portion of the stand is much lower ground and contains more lowland thicket cover.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		15	Log/Pole	10		Red Osier Dogwood	Low	5 - 10 feet	Tall Shrub
Jack Pine		10	Pole	8		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black/Red (Hybrid) Oak		5	Log	16		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Paper Birch		10	Pole/Log	9		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple		55	Log/Pole	12	75				
Red Pine		5	Log/Pole	10					
222	42210 - Natural Red Pine	Sawtimber Well	22.1	62	141-170	N/A	The stand was harvested in the spring of 2006 as a selection. Red pine has reached log size & overall poor quality due to the open grown characteristics. There is oak and red pine seeding in, most of the oak saplings are reaching 10-20' in height. The open areas have a lot of oak, ironwood and autumn olive in them.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log	14	62	Ironwood	Medium	5 - 10 feet	Sapling
						Autumn Olive	High	5 - 10 feet	Tall Shrub
						Oak (spp.)	High	10 - 20 feet	Sapling
						Red Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
223	4130 - Aspen	Poletimber Well	44.9	51	81-110	N/A	The terrain is hummocky to undulating. The stand is a matrix of uplands and lowlands with the uplands being the majority. There are inclusions of lowland shrubs. Several small drains flow east to west through the stand. The northern island is on a knob that has a wet edge.																																															
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224	6229 - Mixed lowland shrub	Nonstocked	25.9			No	The stand is mainly tag alder and willow with marsh grass. The western portion of the stand was forested 10 years ago but the ash has died off converting it to lowland shrubs.																																															
225	4133 - Aspen, Mixed Pine	Poletimber Well	10.3	51	81-110	N/A	The terrain is hummocky. The white pine is concentrated in the center of the stand with aspen and red maple stump sprouts in the east and west half. Overall good quality white pine & a healthy stocking of aspen & red maple regeneration.																																															
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226	4130 - Aspen	Sapling Medium	44.3	5	Immature	N/A	Stand cut summer of 2018 under "Black Bear Aspen" 73-014-17. Clearcut with retention of all conifers. Regen survey conducted in December of 2022. Passes minimum stocking for aspen but is regenerating very patchy. A majority of the red maple has not yet reached 6' due to heavy deer browse. Stand will continue to fill in the patches. There is a 3 acre island of retention located along the northern end, bordering the maintained wildlife opening. 2020 Sale Closure Comments: Unit 1 of Black Bear Aspen 73-014-17 harvested summer of 2018. Clear-cut 2" and up except conifers. 2015 YOE Inventory: The terrain is hummocky. Red maple is regenerating in the north half of the stand. The beaver activity in the stand has removed most of the aspen along south edge. Bigtooth aspen is heavier in the western half and quaking aspen in the eastern half of the stand.																																															
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229	4130 - Aspen	Sapling Medium	120.9	10	Immature	N/A	The stand was harvested in the summer of 2012 under timber sale South Bourrett 73-012-08. Natural regeneration survey was done June 2018. The regeneration in the stand is patchy with areas of thick regeneration and open areas of little or no regeneration. There are also pockets that were rutted and many of those areas have low regeneration.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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230 6119 - Mixed Lowland Deciduous Forest Sapling Medium 19.5 27 1-50 N/A Stand was harvested in the winter of 95/96 in Sterling Aspen sale 73-013-94. The terrain is very hummocky. The stand gets lower going southwest where paper birch, maple, tag alder and white pine are heaviest. The NE half is higher ground & contains a higher percentage of aspen and pole maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	35	Sapling	3	27	Paper Birch	Medium	5 - 10 feet	Sapling
Red Maple	20	Sapling	2		Red Pine	Low	5 - 10 feet	Sapling
White Pine	5	Log/Pole	12		Black Cherry	Medium	5 - 10 feet	Sapling
Red Pine	3	Pole	7		Common Blackberry	Medium	< 5 feet	Tall Shrub
Eastern Red Cedar	1	Log	13		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	8	Pole	5					
Quaking Aspen	28	Sapling	4					

231 42220 - Natural Jack Pine Poletimber Well 10.3 45 81-110 N/A Natural jack pine stand that is beginning show decline due to age. Oak is established in the understory

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	8	Log	14		White Oak	Low	5 - 10 feet	Sapling
Quaking Aspen	12	Pole	6		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
Jack Pine	80	Pole	7	45	Red Maple	Low	10 - 20 feet	Sapling
					Black Cherry	Low	>20 feet	Sapling
					Red Pine	Low	5 - 10 feet	Sapling

232 6239 - Mixed Emergent Wetland Nonstocked 49.2 No This is the Molasses River Flooding number 2. The stand is a mixture of open water and marsh grass with some lowland shrubs along the edges.

233 4130 - Aspen Poletimber Well 8.9 51 N/A The stand is a knob. The access is difficult having wet soils on all sides.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Pole	6	
Bigtooth Aspen	85	Pole	7	51

234 4130 - Aspen Poletimber Well 26.2 48 111-140 N/A The stand is variable going from well to poorly stocked. It is a matrix of uplands and lowlands with the uplands being the majority. The terrain is hummocky. There are inclusions of lowland shrubs. The crown closure is around 75%.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole	8	48	Deciduous Shrubs	High	5 - 10 feet	Tall Shrub
Bigtooth Aspen	50	Pole	8	48	Common Blackberry	Low	< 5 feet	Tall Shrub
Paper Birch	2	Sapling/Pole	3					
Black/Red (Hybrid) Oak	5	Pole/Log	8					
Red Maple	13	Pole/Sapling	6					

236 6239 - Mixed Emergent Wetland Nonstocked 34.3 No This is the Molasses River Flooding Number 1.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
237	42200 - Natural White Pine	Sawtimber Well	18.1	65	111-140	N/A	Natural white pine stand that is very well stocked. The white pine is growing in all size classes. Red maple and birch fill in any canopy gaps. There is more red pine in the north half. Higher density of saplings in the northern half as well.																																															
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238	6113 - Lowland Maple	Poletimber Poor	75.9	60	51-80	N/A	The stand goes from lowland shrubs and marsh grass with dead ash canopy to upland hardwood islands and ridges. Over 80% of the stand is too wet for harvest. Canopy closure is now near 25-35% due to ash die-off.																																															
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239	6112 - Lowland Aspen	Poletimber Well	15.2	42	81-110	N/A	The stand is mainly lowland with a couple of ridges going through it. The lowlands are now heavy to maple. The uplands are mainly aspen and oak with lower density than the maple lowlands.																																															
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240	3301 - Low Density Deciduous Trees	Nonstocked	36.5			No	The terrain is hummocky to undulating. There are pockets of leather leaf along the west side. The stand was harvested in 1984 and did not regenerate well. The trees that did regenerate average 7-9 inches DBH. The white pines are heavily weevilled. There is birch, maple, and conifer still seeding in but sparsely.																																															
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242	4130 - Aspen	Poletimber Well	63.1	32	51-80	N/A	The terrain is hummocky to undulating. The stand is a matrix of uplands and lowlands with the uplands being the majority. The density is variable going from well to poorly stocked. There are inclusions of both upland herbaceous, lowland shrubs, and mix non-forested wetlands.																																															
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243	3105 - Mixed Upland Herbaceous	Nonstocked	4.5			Managed Opening	This is a maintained wildlife opening.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
244	629 - Mixed non-forested wetland	Nonstocked	14.3			No	The stand is heavy to marsh grass with some lowland shrubs and leather leaf.			
245	6229 - Mixed lowland shrub	Nonstocked	17.3			No	The stand is a matrix of uplands and lowlands with the lowlands being about 75%. The terrain is hummocky. The shrubs are mainly tag alder and willow.			
246	6225 - Bog	Nonstocked	3.2			Managed Opening	The stand is in a depression. It is mainly leather leaf with lowland shrubs along the edges.			
248	4130 - Aspen	Sapling Poor	4.9	11	Immature	N/A	The stand was harvested in the fall of 2012. Stand is split by compartment boundaries. The stand has regenerated well to aspen with mixed deciduous.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Bigtooth Aspen	75	Sapling	1	11	Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
		Red Maple	12	Sapling	1					
		Black/Red (Hybrid) Oak	2	Sapling	1					
		Quaking Aspen	11	Sapling	1					
249	4130 - Aspen	Sapling Medium	19.3	15	Immature	N/A	The stand is a matrix of uplands and lowlands with the uplands being about 40%. There are open pockets in it, especially along the north edge. Majority of stand is filling in well			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Paper Birch	3	Sapling/Pole	4		Willow spp.	Low	< 5 feet	Tall Shrub
		Red Maple	5	Sapling	3		Tag Alder	Low	< 5 feet	Tall Shrub
		Quaking Aspen	50	Sapling/Pole	4	15				
		Bigtooth Aspen	30	Sapling/Pole	4					
		White Pine	2	Pole/Sapling	5					
		Black/Red (Hybrid) Oak	10	Sapling	2					
250	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	28.8	36	81-110	N/A	This stand varies between a white pine dominated canopy & ridges of more hardwood dominated canopies. The white pines are heavier toward the West end & central. The eastern half of stand has more aspen clones and a hardwood component. Old timber sale packet shows a harvest in 1986. Timber sale name Birch Special 73-040-84.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black/Red (Hybrid) Oak	20	Pole	5		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
		Red Maple	20	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
		Bigtooth Aspen	28	Pole	5		Red Maple	Low	10 - 20 feet	Sapling
		White Pine	30	Log	14	36	White Pine	Low	5 - 10 feet	Sapling
251	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	16.3	90	81-110	N/A	The stand is variable going from well to poorly stocked. Most of the stand is a ridge that horseshoes around molasses creek flooding.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Maple	33	Log/Pole	11	90	Tag Alder	Low	5 - 10 feet	Tall Shrub
		Paper Birch	25	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
		Quaking Aspen	7	Log	13		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
		White Pine	20	Log/Pole	12		White Pine	Low	5 - 10 feet	Sapling
		Black/Red (Hybrid) Oak	15	Pole/Log	9		Red Maple	Low	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
252	6220 - Alder/willow	Nonstocked	2.1			No	The stand is in a depression, and it is mainly tag alder and willow with marsh grass.																																																			
253	6122 - Black Spruce	Poletimber Well	6.1	61	81-110	N/A	Black spruce swamp that slowly transitions into a bog on the west end. Red maple has filled any canopy gaps and spruce is continuing to recruit into the understory.																																																			
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254	3105 - Mixed Upland Herbaceous	Nonstocked	1.4			Managed Opening	The stand is a maintained wildlife opening.																																																			
255	6112 - Lowland Aspen	Poletimber Medium	18.9	36	81-110	N/A	Stand harvested in Grouse Plus sale 73-039-84 which was completed in 1986. North and west end of stand is mostly lowland thicket. The east/southeast follows a ridge and contains a fully stocked lowland aspen stand. There are multiple drainages that run through the stand.																																																			
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256	4130 - Aspen	Poletimber Poor	30.6	27	1-50	N/A	The terrain is hummocky. It is a matrix of uplands and lowlands. There are several low swales in the stand. There are pockets of aspen and also ridges that have 0-25% canopy cover. Stand would be difficult to treat on it's own.																																																			
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257	6113 - Lowland Maple	Poletimber Poor	21.0	39	1-50	N/A	The stand was harvested in 1984. The terrain is hummocky. The ash has died off and the crown closure is now around 25%. The stand is too wet to manage. There are inclusions of uplands as well as areas of lowland shrubs.																																																			
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258	6220 - Alder/willow	Nonstocked	14.5			No	The stand is a mixture of lowland shrubs and marsh grass. There are some swamp hardwoods scattered in the lowland shrubs.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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259 4139 - Aspen, Mixed Deciduous Poletimber Well 21.6 50 81-110 N/A Predominately an aspen stand with a heavy component of red maple and white pine. Heavier to aspen in the southern & western portion of stand. The ridge running north/south has a higher basal area of white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	12	Log/Pole	10		Black Spruce	Low	Variable	Sapling
Red Pine	5	Log/Pole	11		Red Maple	Low	>20 feet	Sapling
Quaking Aspen	10	Pole	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Paper Birch	3	Pole	5		Michigan Holly	Trace	5 - 10 feet	Tall Shrub
Bigtooth Aspen	35	Pole	9	50	White Pine	Low	Variable	Sapling
Red Maple	35	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub

260 6112 - Lowland Aspen Poletimber Medium 17.4 36 51-80 N/A The stand is variable in size and density. Overall poor quality aspen. The terrain is hummocky with the northern half having dryer ground. More tag alder and lowland pockets in the south and central part of stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Pole	7		Red Maple	Low	>20 feet	Sapling
Paper Birch	5	Pole	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	5	Pole	9		Willow spp.	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	55	Pole	7	36	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Red Maple	20	Pole	6					

261 4130 - Aspen Sapling Medium 51.5 4 Immature N/A It is a matrix of uplands and lowlands with the uplands being the majority. The stand was harvested in the winter of 2017/2018, Drainage Edge Aspen, sale 73-008-15. The crown closure ranges from 10 to 100%, the average 70%. There are inclusions of open herbaceous and areas of low ground dominated by reed grass. The terrain is hummocky. Most of the ash, balsam poplar, and maple are concentrated in drainages that go through the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	5	Sapling	1	
Bigtooth Aspen	40	Sapling	1	4
Quaking Aspen	40	Sapling	1	4
Red Maple	15	Sapling	1	

263 4130 - Aspen Poletimber Well 18.4 27 81-110 N/A Stand was harvested in the winter of 95/96 in Sterling Aspen sale 73-013-94. The south end is wetter. Basal area is around 90 ba/acre and will increase as sapling class becomes merchantable. The terrain is hummocky and has extensive micro relief.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	65	Pole/Sapling	5	27	Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Pole	7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling

264 6229 - Mixed lowland shrub Nonstocked 7.1 No Lowland shrub stand heavy to tag alder and willow. There are some scattered swamp hardwoods in the stand.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	5 - 10 feet	Tall Shrub
White Pine	Low	>20 feet	Pole
Red Maple	Low	>20 feet	Pole
Willow spp.	Low	5 - 10 feet	Sapling
Michigan Holly	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
267	4319 - Mixed Upland Forest	Poletimber Well	5.4	33	111-140	N/A	Hummocky well stocked stand with a mix of white pine, maple and oak.																																														
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268	6112 - Lowland Aspen	Poletimber Poor	6.6	39	1-50	N/A	The stand was harvested in 1984. The ash has died off. The density is variable going from medium to poorly stocked. It is too wet to manage.																																														
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269	110 - Low Intensity Urban	Nonstocked	11.1			No	The stand is a power line easement. It is a matrix of uplands and lowlands with the uplands being the majority.																																														
270	629 - Mixed non-forested wetland	Nonstocked	70.5			No	The stand is a large lowland type that is a mixture of lowland shrubs along the north edge, leather leaf in the southwest end, and marsh grass in the east end.																																														
271	4130 - Aspen	Sapling Well	29.9	2	Immature	N/A	The stand was harvested in Aug of 2020 in Two Jake Aspen sale 73-017-17. Some patchy regeneration but a fully stocked aspen stand.																																														
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274	4130 - Aspen	Sapling Well	5.1	15	Immature	N/A	The stand grades from uplands to lowlands from north to south. The density grades from well stocked to poorly stocked from north to south. The terrain is hummocky.																																														
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275	629 - Mixed non-forested wetland	Nonstocked	7.9			No	The center portion of the stand is cattails and marsh grass. The perimeter is heavy to tag alder.																																														



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277	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	5.3	30	51-80	N/A	The stand has a dense area of aspen along the Sterling Truck Trail. However, much of the stand is sparse. The terrain is hummocky.																																																											
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278	6112 - Lowland Aspen	Poletimber Well	32.4	39	111-140	N/A	Old timber sale packet shows a harvest in Grouse Plus 73-039-84. The stand is split between uplands and lowlands with uplands covering the majority of the stand. Well stocked aspen stand with red maple recruiting																																																											
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279	6112 - Lowland Aspen	Sapling Poor	47.3	4	Immature	N/A	Natural regeneration survey conducted December 2022. Stand passes minimum stocking numbers for aspen. Patchy regeneration with heavy deer browse in areas. 2020 Sale Closure Comments: Units 3 and 4 of Black Bear Aspen 73-014-17 harvested October of 2019. Clear-cut 2" and up except white pine, white cedar, and green marked trees.																																																											
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280	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	15.6	29	Immature	N/A	The stand is mainly lowland shrubs with inclusions of uplands. It has been treated by a brush hogged in two places. The treated areas have come back well to lowland shrubs and some aspen, maple and oak																																																											
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281	4130 - Aspen	Sapling Well	20.0	11	Immature	N/A	This stand was harvested in 2012 in Headwater Harvest sale 73-018-09. The terrain is hummocky to undulating. There are some areas of low wet ground. Natural regeneration survey was done June 2018. The crown closure is around 75%. There are some openings in both sections that have little or no regeneration.																																																											
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282	6113 - Lowland Maple	Sawtimber Well	31.8	90	51-80	N/A	The stand was selectively harvested. The terrain is hummocky and some of the areas are quite wet. Most of the uplands are along the Sterling Truck Trail. The dryer ground was harvested retaining 60 BA. This area has regenerated fairly well to oak and maple. The lowlands were harvested retaining about 80 BA. The regeneration in the lowlands is patchy and it is mainly dead ash and maple.																																																											
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283	629 - Mixed non-forested wetland	Nonstocked	13.0			No	The stand is mainly marsh grass in the central portion with lowland shrubs around the perimeter.																																																											
284	6112 - Lowland Aspen	Sapling Poor	51.4	20	1-50	N/A	The terrain is hummocky. The stand is a matrix of uplands and lowlands with the lowlands being the majority. The oaks are seeding into the open areas as well as some aspen. There are inclusions of lowland shrubs and willow.																																																											
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285	6112 - Lowland Aspen	Poletimber Medium	11.2	33	1-50	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. The south and west end is wetter. Stand would be difficult to treat with a commercial harvest.																																																											
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286	6112 - Lowland Aspen	Poletimber Medium	5.3	52	1-50	N/A	The terrain is slightly undulating going from lowland shrubs to dense swamp hardwoods to medium stocked aspen. Overall, it is a small acreage depression too wet for harvest between younger aspen stands.																																																											
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288	4130 - Aspen	Poletimber Well	22.9	42	81-110	N/A	A mixed deciduous stand that follows a ridge running north/south. There are scattered small openings throughout the stand																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
289	4130 - Aspen	Sapling Medium	29.6	15	Immature	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. There are open areas present in the north and south ends. Marsh grass is a common ground cover.																																																																					
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290	6229 - Mixed lowland shrub	Nonstocked	23.4			No	The stand is mainly lowland shrubs. The ash in the stand is gone and there are only scattered swamp hardwoods around the perimeter.																																																																					
291	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	25.7	83	81-110	N/A	The stand is variable going from saplings to logs. The wetter areas have a high percentage of dead ash poles and have converted to lowland thickets. The drier areas have a higher percentage of red maple sawlogs. Some portions of the stand are too wet to harvest. Recommend treating stand with adjacent stands. Harvestable acreage will be less than prescribed due to inoperable ground.																																																																					
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292	3102 - Grass	Nonstocked	2.7			Managed Opening	Managed wildlife opening																																																																					
293	4311 - Pine, Aspen Mix	Poletimber Well	6.8	52	51-80	N/A	The stand is a ridge. There are parking areas in the stand both north and south of the Lame Duck Truck Trail. The terrain is undulating.																																																																					
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294	6112 - Lowland Aspen	Poletimber Poor	43.2	30	1-50	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. There are a few upland islands that contain the aspen component. Overall the stand is a lowland shrub.																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
295	4130 - Aspen	Sapling Well	20.0	25	Immature	N/A	Well stocked aspen stand with some lowland thickets throughout the stand.																																														
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296	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	100.6	5	Immature	N/A	The stand was harvested in 1999. Much of the stand is open herbaceous with scattered clones of aspen. The terrain is slightly undulating. There are several small drainages running through it. The middle ¼ is open with only a few scattered pines. It was trenched 2016, hand planted to red pine 2017. 1st year survey done spring of 2018; 697 stems per acre. The regeneration survival is around the same as it was in 2018. The red pine in the western ¾ is doing well and 80% is free to grow. The survival is poor in the areas of wetter ground. The eastern ¼ has poor survival of red pine but has seeded in with oak, birch, maple, and witch hazel. Overall, it is well on the way to be medium stocked stand.																																														
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298	629 - Mixed non-forested wetland	Nonstocked	25.5			No	This area is mainly lowland shrubs with some open areas. There are some scattered swamp hardwoods. The ground cover is mainly marsh grass and other herbaceous. There is a beaver flooding in the stand. It is about 2 acres in size. The flooding appears to be active.																																														
299	4130 - Aspen	Sapling Medium	97.4	4	Immature	N/A	The terrain is hummocky. The stand is a matrix of uplands and lowlands with the uplands being about 80%. There are some pockets of very wet soils. It was harvested as a clear cut with retention in the winter of 2017/2018, Drainage Edge Aspen, sale 73-008-15. The regeneration is patchy going from well to non-stocked. Overall, the stand is medium stocked.																																														
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300	4130 - Aspen	Poletimber Well	28.7	35	81-110	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The terrain is hummocky. The lowland ground is in the central portion and along the east edge of the stand. The slash is heaviest in the lowlands.																																														
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302	4130 - Aspen	Sapling Well	3.6	11	Immature	N/A	The stand was harvested in Fall of 2012 in Headwater Harvest sale 73-018-09. Natural regeneration survey was done June 2018. The crown closure is good except along the skid trail and the landing. The terrain is hummocky and there are small inclusions of lowland shrubs.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
304	4130 - Aspen	Sapling Medium	17.8	11	Immature	N/A	The terrain is hummocky. The north 2/3 was habitat cut in winter 2013. The southern 1/3 was commercially harvest in fall of 2012. Natural regeneration survey was done June 2018. The regeneration is good at the north and south ends. The central portion of the stand is low and somewhat wet. This area is mainly quaking aspen over tag alder and Michigan holly. The overall crown closure is around 60-65%. The mix of uplands to lowlands is around 50-50.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	10	Sapling	2		Michigan Holly	High		5 - 10 feet	Tall Shrub
Red Maple	15	Sapling	2		Tag Alder	Medium	5 - 10 feet	Tall Shrub	
Northern Pin Oak	7	Sapling	2						
Paper Birch	3	Sapling	2						
White Oak	3	Sapling	3						
Quaking Aspen	62	Sapling	2	11					
305	4130 - Aspen	Sapling Medium	12.1	11	Immature	N/A	The stand was harvested in 2012/2013 in Headwater Harvest sale 73-018-09. Natural regeneration survey was done June 2018. The regeneration is patchy, and the terrain is hummocky. The density of the regeneration decreases going to the south west end of the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	45	Sapling	2	11	Tag Alder	Medium		5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Sapling	2						
Paper Birch	3	Sapling	3						
Red Maple	20	Sapling	2						
Bigtooth Aspen	22	Sapling	1						
306	6230 - Cattail	Nonstocked	39.2			No	This is part of an extensive beaver flooding that is no longer active.		
307	4119 - Mixed Northern Hardwoods	Sawtimber Medium	66.6	68	1-50	N/A	The stand was harvested by removing the aspen and marked trees in timber sale South Bourrett 73-012-08. Ash volume was also added during the sale. Some areas are sparse while other areas are still fairly well stocked. The terrain is mildly hummocky. There are some areas that were not harvested because of wetness. Natural regeneration survey was done June 2018. The crown closure is around 75%. The aspen is regenerating in the open areas, in addition the oak regeneration is also common, but it is currently less than 4' tall.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	65	Log	13	68	Bigtooth Aspen	Low		5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	20	Log	16		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling	
White Pine	10	Pole	8		Quaking Aspen	Medium	5 - 10 feet	Sapling	
Quaking Aspen	2	Pole	6		Beech	Low	5 - 10 feet	Sapling	
Paper Birch	3	Pole	8						
309	4130 - Aspen	Poletimber Well	95.9	39	111-140	N/A	The stand was harvested in 1984. It is a matrix of uplands and lowlands with the uplands being the majority. There are inclusions of lowland shrubs and open herbaceous.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	4	Sapling/Pole	4		Red Maple	Low		10 - 20 feet	Sapling
White Pine	5	Log/Pole	12		White Pine	Low	5 - 10 feet	Sapling	
Bigtooth Aspen	48	Pole	7	39	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	
Black/Red (Hybrid) Oak	3	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub	
Quaking Aspen	23	Pole	7		Witch Hazel	Medium	5 - 10 feet	Tall Shrub	
Red Maple	17	Pole/Sapling	5		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
310	4139 - Aspen, Mixed Deciduous	Poletimber Well	21.8	51	81-110	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The southern portion of the stand is wetter than the northern portion. In addition the northern portion is on a ridge.																																																														
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311	6229 - Mixed lowland shrub	Nonstocked	5.5			No	This stand is a lowland depression between stands 310 & 315. There are scattered aspen and red maple poles, but averages under 25% canopy cover.																																																														
313	6229 - Mixed lowland shrub	Nonstocked	11.8			No	The stand is a drainage that is heavy to shrubs. The shrubs are a mix of red osier dogwood, tag alder, and willow																																																														
314	4199 - Other Mixed Upland Deciduous	Sawtimber Poor	13.4	74	1-50	N/A	An open grown upland stand. Mixed with aspen clones and oak with a few scattered white pine. Very little regeneration recruiting and what is recruiting is being browsed.																																																														
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316	6113 - Lowland Maple	Sawtimber Well	11.9	95	51-80	N/A	The stand has transitioned to a lowland maple stand now that the ash has died off. There is a drainage that runs through the stand.																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
318	629 - Mixed non-forested wetland	Nonstocked	18.1		Immature	No	Minimally forested lowland shrub stand. There are scattered aspen and white pine with 1-2 small upland islands. Overall non-forested and heavy to tag alder thicket.	
		Sub-Canopy Species		Density	Avg. Height	Size		
		Tag Alder		High	5 - 10 feet	Tall Shrub		
		White Pine		Low	>20 feet	Pole		
		Quaking Aspen		Low	>20 feet	Pole		
		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling		
		Paper Birch		Low	>20 feet	Sapling		
319	6113 - Lowland Maple	Sawtimber Well	10.7	87	51-80	N/A	The stand is very wet and it is too wet to harvest. There is a drainage going through the stand.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Quaking Aspen		5	Log	12		
		Red Maple		90	Log	14		87
		Black/Red (Hybrid) Oak		5	Log	15		
		Sub-Canopy Species		Density	Avg. Height	Size		
		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling		
		Red Maple		Low	>20 feet	Sapling		
		Tag Alder		Medium	5 - 10 feet	Tall Shrub		
320	6113 - Lowland Maple	Sawtimber Well	24.9	74	111-140	N/A	Lowland maple stand following creek with heavy ash die-off. Too wet for harvest.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Red Maple		95	Log/XLog	16		74
		Black/Red (Hybrid) Oak		3	Log	14		
		Paper Birch		2	Pole	8		
321	4130 - Aspen	Poletimber Well	5.8	32	81-110	N/A	A small aspen stand that is now in the pole stage. Basal area will continue to increase	
		Canopy Species		% Cover	Size Class	DBH		Age
		Red Maple		3	Pole	5		
		Quaking Aspen		70	Pole	7		32
		Black/Red (Hybrid) Oak		5	Pole	7		
		White Oak		2	Pole	6		
		Bigtooth Aspen		20	Pole	6		
		Sub-Canopy Species		Density	Avg. Height	Size		
		Tag Alder		Low	10 - 20 feet	Tall Shrub		
		Musclewood/Hornbeam		Low	5 - 10 feet	Sapling		
		Witch Hazel		Low	5 - 10 feet	Tall Shrub		
		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling		
322	500 - Water	Nonstocked	20.2			No	This is a beaver flooding. It appears to be no longer active, but it is still holding water. There is no new beaver activity around the flooding.	
323	6225 - Bog	Nonstocked	7.8			No	The stand is mainly leather leaf with scattered quaking aspen.	
324	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	13.6	12	1-50	N/A	Isolated stand with around 30% canopy cover. About half upland and half lowland. Patches of white pine together with sporadic log sized oak.	
		Canopy Species		% Cover	Size Class	DBH		Age
		Red Maple		15	Pole	8		
		Quaking Aspen		25	Pole	7		
		Black/Red (Hybrid) Oak		15	Log	14		
		White Oak		10	Log	15		
		White Pine		35	Pole/Sapling	6		12
		Sub-Canopy Species		Density	Avg. Height	Size		
		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling		
		White Pine		Medium	>20 feet	Sapling		
		Quaking Aspen		Low	10 - 20 feet	Sapling		
		Tag Alder		Medium	5 - 10 feet	Tall Shrub		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
325	6112 - Lowland Aspen	Poletimber Well	30.2	32	51-80	N/A	The stand is patchy. It is a matrix of uplands and lowlands with the lowlands being the majority. There are inclusions of lowland shrubs. Oaks are seeding into the open areas as well as coming up under the aspen. The aspen has many black nodes and has poor form. The terrain is hummocky.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		72	Pole	6	32	Tag Alder		Medium	5 - 10 feet	Tall Shrub
Paper Birch		5	Pole	5		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
White Pine		3	Pole	7		White Pine		Low	< 5 feet	Sapling
Bigtooth Aspen		20	Pole	6		White Oak	Low	5 - 10 feet	Sapling	
327	6229 - Mixed lowland shrub	Nonstocked	123.7		Immature	No	This is a large lowland complex that goes from leather leaf to low to medium density trees on ridges and knobs. Overall it is more of a lowland shrub. tamarack is seeding in throughout the stand			
328	4130 - Aspen	Poletimber Well	47.4	32	81-110	N/A	The stand is variable going from well to poorly stocked. There are inclusions of both upland herbaceous and lowland shrubs. The aspen quality is variable going from well formed, tall and straight; to poorly formed, short and with black nodes. The poorest form trees are on the driest soils. The best formed trees are on the intermediate soils. The stand is also a matrix of uplands and lowlands with the uplands being the majority.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		50	Pole/Sapling	7	32	Autumn Olive		Low	5 - 10 feet	Tall Shrub
Quaking Aspen		40	Pole/Sapling	6	32	White Pine		Low	10 - 20 feet	Sapling
White Pine		5	Pole/Sapling	6		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak		5	Pole/Sapling	7		Musclewood/Hornbeam	High	10 - 20 feet	Sapling	
						Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	
329	6220 - Alder/willow	Nonstocked	12.1			No	Lowland thicket with scattered hardwoods, mainly along the edges of the stand.			
330	6113 - Lowland Maple	Sawtimber Medium	15.2	72	81-110	N/A	Overall a lowland maple stand with some upland islands. Some of the lowland is sparse and heavy to tag alder due to ash die off. Potential to treat stand with adjacent aspen to the west when both stands meet criteria.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		75	Log/Pole	11	72	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		10	Log	14		Red Maple		Low	10 - 20 feet	Sapling
Paper Birch		5	Pole	7		White Pine		Low	5 - 10 feet	Sapling
Quaking Aspen		10	Log/Pole	11		Tag Alder	Full	5 - 10 feet	Tall Shrub	
331	4310 - Pine, Oak Mix	Sapling Poor	20.5	25	1-50	N/A	The stand was harvested and did not regenerate to aspen. Currently it is seeding in with white pine, oak, birch, and maple. Many of the oak seedlings are now established. The white pines have suffered multiple attacks from white pine weevil. Some portions of the stand were rutted. These areas are now growing cattails. The crown closure is now closer to 50% and ranges from 20% to 90%.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		25	Sapling	2		Sweet Fern		High	< 5 feet	Tall Shrub
Paper Birch		25	Sapling	1		Tag Alder		Low	5 - 10 feet	Tall Shrub
White Pine		50	Sapling/Pole	4	25	Common Blackberry	High	< 5 feet	Tall Shrub	
332	4130 - Aspen	Sapling Well	11.2	13	Immature	N/A	The stand was habitat cut in the winter of 2009/2010. It is regenerating well. Closer to the 75% canopy cover.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		14	Sapling	2						
Quaking Aspen		70	Sapling	3	13					
Black/Red (Hybrid) Oak		16	Sapling	1						



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333	629 - Mixed non-forested wetland	Nonstocked	123.6			No	The stand goes from lowland shrubs to emergent wetlands. The emergent wetlands are more common in the west end and lowland shrubs in the east end. There is an area of standing water at the west end.																																													
334	6229 - Mixed lowland shrub	Nonstocked	21.6			No	The ash is gone. The terrain is hummocky with a lot of standing water.																																													
335	4137 - Aspen, Birch	Sapling Well	47.1	30	1-50	N/A	The stand was harvested in sale 73-013-90 sale was closed in 1993. The stand has some open areas. Some of these are mainly sweet fern/blackberry; others are lowland shrubs. The terrain is slightly hummocky. Paper birch is heaviest along the north edge and aspen is heaviest along the south edge.																																													
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336	4130 - Aspen	Poletimber Medium	32.8	51	81-110	N/A	The stand has variable basal area with some open grown pockets and lowland thickets. There is a sapling/pole sized oak component coming into the stand. Access for commercial harvest will be difficult.																																													
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337	6229 - Mixed lowland shrub	Nonstocked	53.9			No	This stand has some scattered swamp hardwoods. The trees are heaviest in the northwest corner and the east end. There is a fairly large leather leaf pocket along the south boundary of the stand.																																													
338	4112 - Maple, Beech, Cherry Association	Sawtimber Well	40.9	68	51-80	N/A	The stand was harvested in summer 2012 under timber sale South Bourrett 73-012-08. All aspen and birch were cut & the stand was marked to be thinned. A portion of the south edge and a central island were left for retention. The white pines are regenerating heavier in the west end. Natural regeneration survey was done June 2018. The stand is mostly uplands with some small low pockets. The aspen regeneration is in areas where the crown closure is low and oak is concentrated in the east end.																																													
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339	4130 - Aspen	Sapling Medium	6.8	4	Immature	N/A	The terrain is hummocky. The stand was harvested as a clear cut with retention in the winter of 2017/2018, Drainage Edge Aspen, sale 73-008-15-01. The crown closure is around 60%.																																													
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340	6113 - Lowland Maple	Sawtimber Well	28.5	75	81-110	N/A	The terrain is hummocky to undulating. The aspen is heavier in the north end. There are pockets of leather leaf along the west side. The stand was harvested in 1984. It is mainly lowlands but there are inclusions of uplands. The ash is gone. The crown closure is now closer to 75%. There are some significant canopy gaps.																																																			
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341	4199 - Other Mixed Upland Deciduous	Sawtimber Well	17.7	49	81-110	N/A	Mixed upland deciduous stand. Heavy red maple regeneration in the southern half of the stand, more open understory in the northern half.																																																			
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342	4112 - Maple, Beech, Cherry Association	Sawtimber Well	28.1	72	81-110	N/A	The stand was harvested in summer 2012 under timber sale South Bourrett 73-012-08. The stand was marked to be thinned & all aspen and birch was cut as well. The regeneration is starting to come in. The majority of the oak is now past browse height. Red maple is heavier in the western portion and white pine is heavier in the eastern portion. Natural regeneration survey was done June 2018. The regeneration is thick along the road. However, in the rest of the stand the regeneration is mainly moderate.																																																			
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344	4113 - R.Maple, Conifer	Poletimber Well	15.0	51	81-110	N/A	The terrain is hummocky. The aspen is in pockets and has good form. The red maple is a mixture of stump sprouts and seed source. Both have good form. The ash is gone.																																																			
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345	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	41.4	40	1-50	N/A	Extremely patchy stand made up of open grown upland ridges and lowland thickets. There are some areas of aspen clones & maple/oak regeneration. Overall a poorly stocked stand.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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346 42201 - Natural White Pine, Mixed Deciduous Poletimber Medium 13.8 31 51-80 N/A The stand is patchy, and it has inclusions of lowlands. The white pine is heavily weeviled. Some of the trees have sawlog diameters but they are only 20 to 30' tall.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	5		Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	5	Pole	5					
White Pine	60	Pole/Log/Sap	9	31				
White Oak	5	Pole/Sapling	5					
Black/Red (Hybrid) Oak	20	Pole/Sapling	5					

347 6112 - Lowland Aspen Poletimber Well 37.1 40 51-80 N/A The stand is variable from upland to lowland aspen. The maple understory is heavy in areas. Well stocked stand with small scattered lowland thickets and openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	7		Red Maple	Low	>20 feet	Sapling
Paper Birch	5	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	75	Pole	8	40	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling

348 6112 - Lowland Aspen Poletimber Medium 17.3 45 51-80 N/A Lowland hardwood stand filled in with paper birch and aspen. Heavy tag alder throughout stand and very wet ground. more canopy cover in the south and becomes more of a lowland thicket to the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole	5		Tag Alder	High	5 - 10 feet	Tall Shrub
Quaking Aspen	45	Pole	7	45				
Paper Birch	30	Pole	6					

349 6113 - Lowland Maple Sawtimber Medium 71.2 81 81-110 N/A The stand is a matrix of uplands and lowlands with the lowlands being about 75%. The uplands are mainly along the east edge. The stand has transitioned to a lowland maple stand with a few upland ridges where the oak and aspen are found. Overall the stand is too wet for commercial harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	75	Log/Pole	15	81	Red Maple	Medium	>20 feet	Sapling
Black/Red (Hybrid) Oak	15	Log/Pole	14		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Log	12		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
					Musclewood/Hornbeam	Medium	10 - 20 feet	Sapling

350 42201 - Natural White Pine, Mixed Deciduous Poletimber Well 13.5 75 81-110 N/A The terrain is hummocky to undulating. The stand has inclusions of lowlands. The edges are wet. The ash is gone.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9	50	White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	15	Pole/Log	9		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Pine	70	Log/Pole/XLog	12	75				

352 42250 - Pine, Oak Sapling Poor 10.2 22 1-50 N/A The stand was harvested under timber sale Burning Ridge, sale 73-013-00. It was completed in Spring 2000, but it did not regenerate well. There is some seeding in of white pine along the west edge and oak along the east edge. Aspen and oak saplings are denser along the south edge. There is a steep ridge along the east side of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	35	Sapling	1	
White Pine	65	Sapling	2	22



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
353	42200 - Natural White Pine	Poletimber Well	27.2	71	81-110	N/A	The stand has more saw logs in the southern portion. However, much of the stand contains poles. The terrain is hummocky. The stand was harvested in C126 Mix, sale 73-008-16 in Oct 2020. The crown closure is now closer to 75%. The area along the Lame Duck Truck Trail was cleared back 50 feet.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black Spruce		5	Sapling/Pole	4		Sheep Laurel		Medium	< 5 feet	Tall Shrub	
White Pine		85	Pole/Sap/Log	6	71	White Pine		High	>20 feet	Sapling	
Red Pine		10	Pole	5							
355	6113 - Lowland Maple	Sawtimber Well	92.9	65	81-110	N/A	Lowland maple stand now that the ash has died off. There is a small cedar grove in the south portion of the stand and a few scattered upland islands of oak and maple. Overall too wet for any harvests.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		20	Pole	8		Red Maple		Medium	>20 feet	Sapling	
Paper Birch		5	Log/Pole	11		Tag Alder		Medium	5 - 10 feet	Tall Shrub	
White Oak		5	Log	12		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		10	Log	16							
Red Maple		42	XLog/Log	18	65						
Northern White Cedar		10	Log/Pole	11							
Quaking Aspen		8	Log	13							
356	6112 - Lowland Aspen	Sapling Poor	8.3	11	Immature	N/A	The stand was harvested in the winter of 2012/2013. Some of the small red maple, oaks, and ash were retained. Natural regeneration survey was done June 2018. The residual maple and oak are doing well. However, the regeneration is spotty and goes from non-stocked to moderately stocked. The regeneration density increases going to the east. The stand does have a significant amount of ash seedlings. The ground cover is heavy to willow, tag alder, and holly with scattered cattails.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Green Ash		35	Sapling	2		Tag Alder		High	5 - 10 feet	Tall Shrub	
Balsam Poplar		5	Sapling	2							
Quaking Aspen		60	Sapling	2	11						
357	4310 - Pine, Oak Mix	Poletimber Well	12.9	38	51-80	N/A	The stand is patchy, and the terrain is hummocky. It has open areas of lowland shrubs and leather leaf.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		50	Pole/Sap/Log	9	38	Deciduous Shrubs		Medium	5 - 10 feet	Tall Shrub	
Black/Red (Hybrid) Oak		35	Pole/Sapling	5		White Pine		Medium	Variable	Sapling	
Quaking Aspen		15	Pole/Sapling	5	38	Black/Red (Hybrid) Oak		Medium	Variable	Sapling	
358	6113 - Lowland Maple	Sawtimber Well	41.9	97	81-110	N/A	The terrain is hummocky. EAB is present but in low numbers. The stand is too wet to harvest.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		10	Pole/Log	8		Northern White Cedar		Low	>20 feet	Pole	
Red Maple		85	Log/XLog	17	97	Tag Alder		High	5 - 10 feet	Tall Shrub	
Quaking Aspen		5	Log	14		Red Maple		Medium	10 - 20 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
359	4130 - Aspen	Sapling Medium	17.4	11	1-50	N/A	The stand was harvested under timber sale B-Pit Harvest 73-025-06 in the fall of 2012. The white pine understory and oak less than 6" were retained. Natural regeneration survey was done June 2018. The stand has a moderate amount of browse. There are some areas where the deer browse has killed the regeneration.	
Canopy Species		% Cover	Size Class	DBH	Age			
Bigtooth Aspen		40	Sapling	2	11			
White Pine		10	Pole/Sap/Log	5	30			
Black/Red (Hybrid) Oak		3	Sapling/Pole/Log	4				
Quaking Aspen		37	Sapling	2	11			
Red Maple		10	Sapling	1				
360	6126 - Lowland Jack Pine	Poletimber Medium	14.5	32	1-50	N/A	The stand is mainly leather leaf with a white pine overstory. The white pines are heavily weevilled. In addition, there are some jack pines, red pines, and paper birch scattered. The trees in the stand are approximately 32 years old.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Pine		20	Pole/Sapling	5				
Jack Pine		50	Pole/Sapling	5	32			
White Pine		30	Pole/Sapling	5				
362	6229 - Mixed lowland shrub	Nonstocked	123.2			No	The stand is variable going from lowland shrubs in the east end to emergent wetlands in the west end.	
363	4199 - Other Mixed Upland Deciduous	Poletimber Poor	52.6	40	1-50	N/A	The stand has a fair amount of oak, maple, and tamarack seeding into it. The overstory is mainly overmature aspen mixed with oak and maple sawlogs. The terrain is hummocky. Over all it is a matrix of uplands and lowlands with the uplands being the majority.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Tamarack		5	Pole	6		Black/Red (Hybrid) Oak		
Black/Red (Hybrid) Oak		25	Log/Pole	10		Tag Alder		
Paper Birch		5	Pole	6		Red Maple		
Bigtooth Aspen		35	Pole	8	40	Sweet Fern		
Red Maple		25	Pole/Log	8				
White Pine		5	Pole	8				
						Density		Avg. Height
								Size
366	6225 - Bog	Nonstocked	3.6			No	The stand is mainly leather leaf south and lowland shrubs north.	
368	6126 - Lowland Jack Pine	Poletimber Poor	16.5	48	1-50	N/A	The stand is patchy, and the terrain is hummocky. It has open areas of lowland shrubs and leather leaf.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Jack Pine		60	Pole/Sapling	5	48	Deciduous Shrubs		
Red Pine		7	Sapling/Pole	4		Leatherleaf		
Quaking Aspen		13	Pole/Sapling	5				
White Pine		20	Pole/Sapling	7				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
369	3301 - Low Density Deciduous Trees	Nonstocked	25.7			No	Open grown stand with roughly 10% canopy cover. Hummocky ground with a narrow ridge running north/south.																																																						
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370	6229 - Mixed lowland shrub	Nonstocked	37.3	0		No	The stand is wet. It gets wetter going to the east. The terrain is hummocky. The deciduous shrub understory density goes from sparse in the west end to full in the east end. The ash in the stand is gone and the crown closure is now below 25%.																																																						
371	4130 - Aspen	Sapling Medium	53.7	14	Immature	N/A	The stand was harvested under timber sale Beaver Dam X-ing 73-027-06 and completed in Summer 2008. The regeneration is coming in well for the most part but there are areas of sparse regeneration. Oak was left during harvest in the southern half of the stand.																																																						
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372	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	9.6	48	1-50	N/A	The terrain is slightly undulating. There are inclusions of leather leaf with some pines. Overall, the stand is a ridge.																																																						
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374	6127 - Lowland Pine	Sawtimber Medium	10.7	69	51-80	N/A	The stand was harvested, and the residual is variable. The stand is borderline lowlands/uplands.																																																						
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375	629 - Mixed non-forested wetland	Nonstocked	14.7			No	This stand was a beaver flooding. The east end was dry in Spring of 2023																																																						
376	310 - Herbaceous Openland	Nonstocked	12.2	0		42290 - Natural Mixed Pine	The stand is mainly a narrow upland ridge along the connector road. There are also areas of lowland along the southwest edge. The stand was harvested in C126 Mix, sale 73-008-16 in Oct. 2020																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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377 4199 - Other Mixed Upland Deciduous Sawtimber Medium 10.5 98 81-110 N/A

The stand is a matrix of uplands and lowlands with the uplands being the majority. The northeast corner is wet. There is some mortality in the aspen and birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	25	Log/Pole	13		White Oak	Low	5 - 10 feet	Sapling
White Oak	3	Pole/Log	9		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Maple	42	Log/Pole	11	98	Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Pole/Log	9		Red Maple	Medium	>20 feet	Sapling
Paper Birch	20	Pole/Sapling	6					

379 4131 - Aspen, Oak Poletimber Well 32.8 35 81-110 N/A

Mixed deciduous stand with a heavier white pine component in the south. There is good oak regeneration in the northern half. Pole sized maple is common throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	8		White Pine	Low	10 - 20 feet	Sapling
Paper Birch	2	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	40	Pole	6	35	Red Maple	Low	10 - 20 feet	Sapling
White Pine	15	Pole	9		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Northern White Cedar	1	Log	12					
Red Pine	2	Log	16					
Black Cherry	2	Pole	7					
White Oak	8	Pole	8					
Black/Red (Hybrid) Oak	15	Pole	6					

380 4133 - Aspen, Mixed Pine Poletimber Medium 39.6 47 81-110 N/A

The density in the stand is variable going from well to poorly stocked. It is a ridge. The aspen is heavier in the eastern portion of the stand and oak and pine in the western portion.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	2	Pole	8		White Pine	Medium	5 - 10 feet	Sapling
White Pine	20	Pole/Log	9		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	15	Log/Pole	12		Quaking Aspen	Low	5 - 10 feet	Sapling
Red Maple	5	Log	11		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	50	Pole	8	47				
Paper Birch	5	Pole	9					
Red Pine	3	Pole/Log	8					

382 6229 - Mixed lowland shrub Nonstocked 26.4 No

The stand is mainly tag alder with and area of marsh through the center.

384 6113 - Lowland Maple Sawtimber Well 105.0 88 81-110 N/A

The stand has converted to a large lowland maple stand now that the ash has died out. The north end of the stand is dryer, but overall too wet for commercial harvest. The ground cover is marsh grass under tag alder. There are pockets of dense oak and dense maple regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	70	Log/XLog	16	88	Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	20	Pole/Sapling	6		Red Maple	High	>20 feet	Sapling
Black/Red (Hybrid) Oak	10	Log	17					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
385	6113 - Lowland Maple	Poletimber Well	18.6	82	81-110	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. There are inclusions of lowland shrubs with an E2 overstory. The west end has good oak regeneration. The terrain is hummocky. There is a drainage going through the stand.																																															
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386	6113 - Lowland Maple	Poletimber Well	23.3	41	51-80	N/A	The stand is a matrix of uplands and lowlands with the uplands being about 25%. Much of the uplands are concentrated in the southeast corner																																															
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387	6229 - Mixed lowland shrub	Nonstocked	77.5			No	This stand was part of a wild fire in 2003 that burned 100 plus acres. The stand has some regeneration on the scattered low ridges. However, much of the stand is heavy to lowland shrubs.																																															
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388	6229 - Mixed lowland shrub	Nonstocked	50.0			No	This is a lowland shrub type with some scattered swamp hardwoods. The trees are heaviest in the east end of the stand. There are also inclusions of leather leaf.																																															
389	6113 - Lowland Maple	Sawtimber Poor	16.3	82	81-110	N/A	This stand is very low and wet making it too wet to harvest. The east end of the stand has an area of lowland shrubs with some overstory swamp hardwood saplings.																																															
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390	6224 - Treed Bog	Nonstocked	24.5			No	The stand is mainly leather leaf with scattered quaking aspen, white pine, and oak.																																															
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391	6229 - Mixed lowland shrub	Nonstocked	3.9		Immature	No	Lowland shrub stand heavy to tag alder. There are scattered red maple, birch and tamarack poles.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
392	4130 - Aspen	Sapling Well	41.3	25	1-50	N/A	The stand was harvested in Connector Road Aspen sale 73-013-96 cut in the fall of 1996. All oak were left during harvest.																																							
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393	4139 - Aspen, Mixed Deciduous	Poletimber Medium	35.7	29	51-80	N/A	The stand is very hummocky. There are inclusions of lowland shrubs. The red maple regeneration is dense and in pockets. The aspen is scattered throughout the stand.																																							
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394	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	28.2	20	1-50	N/A	The stand was part of a wildfire in 2003. There are some residual oaks that survived the fire. It is now is regenerating fairly well but it is somewhat sparse. The northern finger has a higher density of regeneration. The aspen, tamarack, and maple are mainly along the perimeter of the stand.																																							
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395	6224 - Treed Bog	Nonstocked	19.8	0		No	The terrain is hummocky. There are inclusions of uplands along the road and at the north end of the stand. The stand was harvested in July of 2021 in sale C126 Mix 73-008-16.																																							
396	4130 - Aspen	Sapling Medium	12.6	14	Immature	N/A	Stand was harvested in B-Pit Harvest sale 73-025-06 harvest around 2008. The terrain is undulating. Some of the oaks and white pines were retained when the stand was harvested.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
398	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	12.5	61	51-80	N/A	The terrain is hummocky and the soils are too wet to harvest. There is an old road that bisects the stand. In 2003 there was a wildfire that went around the stand.																																									
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399	6220 - Alder/willow	Nonstocked	28.4			No	The stand is mainly tag alder and willow in the center with a low density of swamp hardwoods and aspen. Didn't regenerate after harvest in Lost Grade sale 73-042-86 completed in 1990.																																									
400	6112 - Lowland Aspen	Sapling Medium	28.5	20	Immature	N/A	In 2003 there was a wildfire that burned through the stand. The regeneration that came back is patchy. The terrain is hummocky compared to the adjacent stand to the south.																																									
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401	6224 - Treed Bog	Nonstocked	76.0			No	This is a large leather leaf and blueberry bog. There is some scattered quaking aspen and tamarack in the stand. The area had a control burn done in it for blueberry. The burn was completed in 1997 or 98. This portion burned fairly well with about 80% blackened. The stand has island on slight ridges of trees. These are most numerous in the west 2/3 of the stand. Current it has less than 25% crown closure.																																									
402	6113 - Lowland Maple	Poletimber Medium	14.3	29	51-80	N/A	Lowland hardwood stand made up of aspen and red maple. Size classes vary between pole and saplings. Stand is low and inaccessible for any commercial harvest.																																									
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403	4131 - Aspen, Oak	Sapling Well	20.4	20	Immature	N/A	The stand was part of a wildfire in 2003. It was salvaged in 2003/2004 and it is regenerating well.																																									
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405	6224 - Treed Bog	Nonstocked	66.5		Unspecified	No	This is a large leather leaf and blueberry bog with a crown closure around 15%. There is scattered quaking aspen and tamarack in the stand. The area had a control burn done in it for blueberry. The burn was completed in 1997 or 98.																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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407 6119 - Mixed Lowland Deciduous Forest Poletimber Poor 96.7 41 81-110 N/A

The stand is highly variable going from well to poorly stocked; and from seedling to saw logs. Tamarack are in pockets, the aspen is heaviest in the east and the oaks are scattered throughout the stand. There are also areas of lowland shrubs.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole	7	41	Tag Alder	Low	5 - 10 feet	Tall Shrub
Tamarack	5	Pole	6		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	8	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	5	Pole	6		White Pine	Low	5 - 10 feet	Sapling
Red Maple	35	Pole	8	41				
Red Pine	2	Log	16					
Black/Red (Hybrid) Oak	15	Pole/Sap/Log	8					

408 6121 - Tamarack Poletimber Poor 19.6 54 51-80 N/A

A majority of the stand is a lowland tamarack with thick leather leaf ground cover. The stand maintains a small upland ridge along the connector loop.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	75	Pole/Sapling	6	54	Tamarack	Medium	10 - 20 feet	Sapling
White Pine	5	Pole/Sapling	6		Leatherleaf	Full	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	20	Pole/Sap/Log	8		Labrador Tea	Low	< 5 feet	Tall Shrub

409 4199 - Other Mixed Upland Deciduous Poletimber Well 83.1 41 51-80 N/A

Much of the stand consists of pole maple in the lowland drains and pole oak along the ridges with scattered oak saw logs. It is a matrix of uplands and lowlands with the uplands being the majority. There are inclusions of lowland shrubs and leather leaf.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Log	14	57	White Oak	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	20	Pole	6	41	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	15	Pole	5		Paper Birch	Low	5 - 10 feet	Sapling
Quaking Aspen	15	Log/Pole	11		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	30	Pole	6	41	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling

410 6121 - Tamarack Poletimber Poor 9.3 22 51-80 N/A

Lowland tamarack stand with some hardwoods mixed in. Stand is only 30-35' tall on average. Self thinning and recruiting an oak component in areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	25	Sapling	4		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	5	Sapling	3		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Tamarack	55	Pole/Sapling	5	22	White Pine	Low	5 - 10 feet	Sapling
White Pine	15	Pole	7		Red Osier Dogwood	Low	< 5 feet	Tall Shrub

411 4126 - White, Black, N. Pin Oak Sapling Medium 19.7 11 Immature N/A

The stand was harvested retaining oak less than 4" DBH and marked trees. It has started to regenerate. It is now a low-moderately stocked stand of oak and mixed deciduous saplings with scattered log sized oak in the canopy. The stand will continue to fill in.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Sapling	3	
Black/Red (Hybrid) Oak	3	Log	13	
Choke Cherry	3	Sapling	2	
Red Maple	20	Sapling	3	
Black/Red (Hybrid) Oak	50	Sapling/Pole	4	11
White Oak	22	Sapling	3	11



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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413 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 8.5 44 51-80 N/A The terrain is hummocky. The tamarack is seeding into the stand and it is coming in nicely. There is also some oak regeneration. This is heavier at the north end. The quaking aspen is scattered.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	7		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	45	Pole/Log	8	44	Tamarack	Low	5 - 10 feet	Sapling
Tamarack	35	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Cherry	5	Pole	6		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling

414 6225 - Bog Nonstocked 3.0 No The stand is in a depression of leather leaf with pines along the perimeter.

415 4130 - Aspen Sapling Poor 2.4 4 Immature N/A Natural regen survey conducted December 2022. Stand passes minimum stocking for aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	40	Sapling	1	4
White Pine	10	Pole/Log	8	
Paper Birch	10	Sapling	1	4
Quaking Aspen	28	Sapling	1	4
Red Maple	12	Sapling	1	4

2020 Sale Closure Comments: Unit 2 of Black Bear Aspen 73-014-17 harvested October of 2019. Clear-cut 2" and up except white pine, northern white cedar, and green marked trees.

2015 YOE Inventory Comments: The stand is a ridge. The red pines are heavier to the south. Quaking aspen and red maple are heavier to the north. The white pines are scattered throughout.

416 4130 - Aspen Sapling Medium 58.5 5 Immature N/A Clear cut with retention winter of 2017/2018. Bowman Harvest 73-007-15-01. There are a few 2-3 acre lowland pockets that have either failed to regenerate or came back to cattail. The upland ridges have regenerated well to aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	2		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern Pin Oak	10	Sapling	1		Black Spruce	Low	< 5 feet	Sapling
Black Cherry	15	Sapling	2		Cattail spp.	Medium	Unspecified	Non-Wood
Paper Birch	5	Sapling	2					
Bigtooth Aspen	60	Sapling	2	5				

418 4130 - Aspen Poletimber Well 38.7 49 81-110 N/A Stand is a matrix of uplands and lowlands with the lowlands being the majority. There are several low ridges running north to south. In addition, there are inclusions of lowland shrubs. Much of the stand looks like it will dry out in summer. Basal area is pushing 130 in areas, but overall average fell below 110

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	8		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Bigtooth Aspen	15	Pole	8		Musclewood/Hornbeam	Low	10 - 20 feet	Sapling
Black Cherry	5	Log/Pole	10		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	53	Pole/Log	9	49				
Black/Red (Hybrid) Oak	10	Log/Pole	12					
White Pine	2	Pole	6					

419 6239 - Mixed Emergent Wetland Nonstocked 31.5 0 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
501	42290 - Natural Mixed Pine	Sawtimber Well	16.5	40	111-140	N/A	The stand is mostly upland with blueberry bog pockets.																																		
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502	4133 - Aspen, Mixed Pine	Poletimber Well	34.5	53		N/A	The stand is a mix of uplands and lowlands. The terrain is hummocky. When it was harvested the pine and oak were retained.																																		
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506	6220 - Alder/willow	Nonstocked	13.2			No	The stand is a drainage that is mainly alder. There are some areas of open water and marsh.																																		
508	2113 - Forage Crops	Nonstocked	6.5			Managed Opening	Maintained wildlife opening.																																		
509	6112 - Lowland Aspen	Poletimber Well	60.5	43	111-140	N/A	The stand is generally lowland with inclusions of alder and some upland ridges. The ash is gone. The openings are filling in with some ash and muscle wood. The crown closure ranges from 60 to 100%. The average is around 90%. The terrain is hummocky.																																		
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510	6220 - Alder/willow	Nonstocked	8.8			No	The stand is mainly alder.																																		
511	6112 - Lowland Aspen	Sapling Poor	71.3	39		N/A	Timber sale report shows a harvest in 1984. The ground has changed since it was cut. The cut resulted in a patchy stand. Much of the stand is too wet to treat. Only the western edge looks dry enough to manage.																																		
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512	6230 - Cattail	Nonstocked	86.8			No	The stand is mainly an emergent marsh heavy to cattails. There are areas of lowland shrubs and small islands of trees.																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
513	6139 - Mixed Lowland Forest	Poletimber Well	11.2	38	111-140	N/A	The stand has 2 one-acre pockets of northern white cedar. The lowlands make up around 70%. The stand is too wet to manage. It does have islands of uplands. The terrain is hummocky. There is heavy porcupine damage to the tamarack. Some of the tamarack poles are strip from top to bottom.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Fir		5	Sapling/Pole	4		Red Maple		
Quaking Aspen		25	Pole/Sapling	5		Balsam Fir		
Tamarack		50	Pole/Sapling	5	38			
Red Maple		20	Sapling/Pole	4				
514	4139 - Aspen, Mixed Deciduous	Sapling Well	42.3	9	Immature	N/A	Stand cut under Bear Paw sale 73-011-12 in spring/summer of 2013. The stand has some large oak that were left when it was harvested. They are widely scattered.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		29	Sapling	1	9			
Quaking Aspen		21	Sapling	1				
Choke Cherry		18	Sapling	1				
Black/Red (Hybrid) Oak		4	Sapling	1				
Red Maple		28	Sapling	1				
515	4136 - Aspen, Mixed Conifer	Poletimber Medium	22.9	41	51-80	N/A	The terrain is hummocky. There are openings that are upland herbaceous. The edges are wet. The crown closure goes from 0 to 100% and averages 60%.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Tamarack		20	Pole/Sapling	6		Black/Red (Hybrid) Oak		
Quaking Aspen		75	Pole/Sapling	7	41	Serviceberry (Juneberry)		
Jack Pine		5	Pole/Sapling	6				
516	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	12.9	37	1-50	N/A	The ash is gone. Much of the stand is very wet. There are some dry knobs.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		5	Log	14		Tag Alder		
Red Maple		50	Log/Pole	12	37			
Black/Red (Hybrid) Oak		5	Pole	6				
Northern White Cedar		5	Pole	6				
Tamarack		35	Pole/Log/Sap	6				
518	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	85.9	78	1-50	N/A	All the ash is gone. What was left after the ash died off are the cedar, fir, tamarack, and maple.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		15	Log	14				
Northern White Cedar		30	Pole	6	78			
Red Maple		30	Log/Pole	12	78			
Tamarack		25	Pole/Sapling	6				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
520	4133 - Aspen, Mixed Pine	Poletimber Well	18.5	53	81-110	N/A	The stand has a remnant of an old red pine plantation. It is now overgrown with aspen, white pine, and other mixed deciduous species.																																										
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521	6121 - Tamarack	Poletimber Medium	17.2	51	81-110	N/A	The stand is a 60/40 mix of lowland to upland. Most of the lowlands are too wet to manage. The ash is gone. The crown closure ranges from 15 to 100%. The average is around 75%.																																										
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522	429 - Mixed Upland Conifers	Poletimber Well	10.3	33	81-110	N/A	The stand is 50/50 mix of uplands to lowlands. The terrain is hummocky. The crown closure ranges from 10 to 100%, and averages 75%.																																										
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523	2113 - Forage Crops	Nonstocked	5.6			Managed Opening	Wildlife Division managed opening.																																										
524	6220 - Alder/willow	Nonstocked	24.5			No	The stand is mainly alder and willow. There are some scattered trees, especially along the edges.																																										
525	4130 - Aspen	Poletimber Well	32.9	48		N/A	The terrain is hummocky. There is a lot of down trees and there is some decline. The crown closure is around 90%. The east side has more poles, and the west side has more logs.																																										
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528	4311 - Pine, Aspen Mix	Poletimber Well	50.2	41	81-110	N/A	The stand was harvested in Two Fawn, sale 73-012-83. The stand is a ridge. The edges are wet.																																															
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529	2113 - Forage Crops	Nonstocked	4.0			Managed Opening	Wildlife Division managed opening.																																															
530	4133 - Aspen, Mixed Pine	Poletimber Medium	22.6	51	51-80	N/A	The crown closure is closer to 30%. The red pine and jack pine are in pockets. There are also areas of open herbaceous. The terrain is hummocky to undulating and the edges are wet.																																															
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532	6230 - Cattail	Nonstocked	19.1			No																																																
533	6112 - Lowland Aspen	Poletimber Medium	37.6	41		N/A	The stand has some low pockets that are lowland shrubs. Overall, the stand is 60% lowlands. The terrain is hummocky. The uplands are mainly a ridge. There are drains that cross it. The crown closure is around 60%. In the stand the aspen is gone and has regenerated with oak and tamarack.																																															
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535	4130 - Aspen	Poletimber Well	54.2	41	111-140	N/A	The stand was harvested in Two Fawn, sale 73-012-83. The crown closure varies from 20% to 100%. The average is around 90%. The terrain is slightly hummocky. The wettest ground is along the south and east edges. The south half is wetter and has heavy regeneration of maple. The north half is dry, and it is heavy to white pine regeneration.																																															
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536	6220 - Alder/willow	Nonstocked	17.4			No	The stand is a mix of uplands and lowlands. The lowlands makes up around 65%. Some of uplands is upland shrubs and the some of the lowlands are lowlands shrubs.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
537	4319 - Mixed Upland Forest	Poletimber Poor	32.0	41	1-50	N/A	The stand has areas of low-density trees and areas of lowland shrubs. It is a mix of uplands and lowlands. The uplands make up the majority. The terrain is hummocky. The canopy closure ranges from 0 to 100%. The average is 30%. The openings are filling in with tamarack and white pine.																														
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540	6230 - Cattail	Nonstocked	18.9			No	The stand is mainly an emergent marsh heavy to cattails.																														
541	500 - Water	Nonstocked	30.8			No	The beaver pond																														
543	3301 - Low Density Deciduous Trees	Nonstocked	44.3			No	The stand was harvested in Beaver Lodge Aspen, sale 73-037-92. It was cut between 1994 and 1996. The regeneration failed. The stand is now low-density trees. It has several very low wet areas that are more of an lowland shrub type. Some tamarack is seeding in. The stand is about 70% uplands.																														
544	6113 - Lowland Maple	Poletimber Poor	11.3	43		N/A	The stand is mostly low and wet with a few upland ridges. The ash is gone. The western edge is converting to lowland shrubs.																														
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545	6113 - Lowland Maple	Poletimber Medium	9.2	68	51-80	N/A	The ash is gone. There is some beaver activity. It is very wet and a creek flows through it. The crown closure is around 30%. The terrain is hummocky. Overall, the stand is too wet to manage.																														
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548	500 - Water	Nonstocked	33.5			No	This is a large beaver pond.																														
554	3301 - Low Density Deciduous Trees	Nonstocked	10.3			No	The stand is low-density trees. It is about a 50/50 mix of uplands to lowlands. The lowlands are mainly lowland shrubs.																														
556	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	26.6	58	81-110	N/A	Generally, the stand is very low ground with some higher knolls. The ash is gone. The southern edge is very wet, and it is converting to lowland shrubs. There are inclusions of water.																														
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557	6220 - Alder/willow	Nonstocked	154.4			No	The stand is mainly alder with areas of cattails, open water, and islands of uplands.																																			
558	6230 - Cattail	Nonstocked	25.8			No	The stand is a mixture of cattails and lowland shrubs.																																			
559	4130 - Aspen	Poletimber Medium	15.8	38	51-80	N/A	The stand is a series of upland knobs. The stand is mostly uplands. The edges are wet and there are low wet areas that cut into the stand. The lowlands around the stand have had beaver activity in the past which has affected the density of the stand. Some of the openings are lowland shrubs as well as open herbaceous.																																			
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598	4131 - Aspen, Oak	Sapling Medium	39.4	9	Immature	N/A																																				
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