



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73018

Entry Year 2025

Acreage: 4,874

County Clare

Management Area: High Sand Plains

Stand Examiner: Casey Ownes

Legal Description:

T17N R06W Sec. 3, 10 & 11 - T18N R06W Sec. 27, 34 & 35.

Identified Planning Goals:

Follow guidelines set forth in the Regional State Forest Management Plan for the Upper Muskegon Management Area. Monitor and address forest health concerns and issues, balance timber age classes of oak, aspen, and red pine, manage for forest sustainability, provide wildlife habitat, provide forest based recreation. Protect archeological concerns, protect threaten and endangered species.

Soil and topography:

The area varies from medium drained soils to well drained soils and is level to gently rolling hills. The major soil types are Rubicon-Croswell-Au Gres and Lupton-Markey associations. Overall the compartment is on average to above average ground with site indices above average.

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

The state land in this compartment is spread out over six sections. Private holdings range from small (less than 15 acres) subdivided lots to larger (greater than 40 acres) forested single holdings with absentee landowners. Forest management activity occurs on the larger private holdings. The Lost Lake Boy Scout Camp (2300 acres) is adjacent to the compartment. The proximity of the town of Lake to this compartment concentrates use on State Land within this compartment.

Unique Natural Features:

MNFI records indicate the following element occurrences; bald eagle to the south of compartment, osprey to the south of compartment, common loon to the south of compartment. There are no proposed forest treatments that will impact the noted element occurrences.

Archeological, Historical, and Cultural Features:

None noted within compartment.

Special Management Designations or Considerations:

The entire compartment is State Game Fund and Puttman Robertson purchased. Wildlife is high priority for treatments.

Watershed and Fisheries Considerations:

Approximately 25% of this compartment is made up of lowland types. These lowland types provide excellent habitat for both game and non-game wildlife species and support populations of waterfowl. Three Lake Creek and several unnamed drainage's flow through the compartment. There are three small to medium sized lakes within the compartment listed as follows: Pike Lake, Green Pine Lake and Curry Lake.

Wildlife Habitat Considerations:

Upland systems are dominant in this compartment, making it suitable for a number of early forest successional wildlife species. Most of the forested stands within this compartment are aspen, although, there are lowland cover types and coniferous stands present. Species such as Ruffed grouse, White-tailed Deer and American Woodcock are quite common. Furbearers including Beaver, Mink, Muskrat, Bobcat, and Coyote use the lowlands as corridors as well as year-round habitat. Other game species likely to be present in this compartment include Black Bear, Raccoon, Wild Turkey and Snowshoe Hare. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These include Common Yellowthroat, Yellow-rumped Warbler, Gray Catbird, Red-eyed Vireo, White-throated Sparrow, Hermit Thrush and Red-breasted Nuthatch. The compartment is easily accessible to hunters via Lake Station Ave. and Adams Road.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel operations are known to exist in the area. There is some potential for sand & gravel within the compartment on the uplands, but the compartment might be too far from populated areas (markets) to have much economic potential beyond use by the county road commission or DNR for local road maintenance. Oil & gas production has occurred in this general area, but nothing recently, and there has been no recent well permit activity or leasing activity

involving State-owned mineral rights in the area for oil & gas development. The compartment lies between two gas storage fields, one active and one inactive. Expansion of gas storage in this area is unlikely. 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:

Access to most of the compartment is good via the county road system and state two tracks that are in place.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

A large portion of the Green Pine Lake Pathway is located within this compartment in sections 27 & 34 of T18N - R06W. This non-motorized pathway has two loops within this compartment, then turns east thru compartment 17, ending at Big Mud Lake campground. Timber management activities should include trail protection specifications to reduce impacts to the pathway users, as well as serve as an example of how silviculturally sound timber harvesting practices can co-exist, and often improve recreation and hunting experiences for future generations. Example trail protection specifications include: do not cut trees with blue pathway confidence markers on them, maintain a 20 foot wide slash, debris and rut free zone daily using the pathway as the centerline, do not run equipment down the pathway, & skid across the pathway only when necessary. Portions of the Green Pine Lake Pathway (Section 34, SW1/4) have been flooded by a beaver dam. PRD and WLD to work together to propose options to resolve beaver dam/pathway issue. (All purchased land State Game Fund).

Fire Protection:

A potential fire control problem exists due to the rural/urban interface within this compartment.

Additional Compartment Information:

PRD will be doing rerouting work of the Green Pine Pathway around beaver flooding and revamping the walkway.

The following reports from the Inventory are attached:

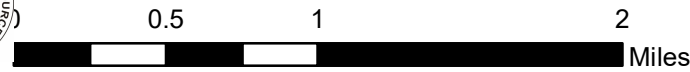
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

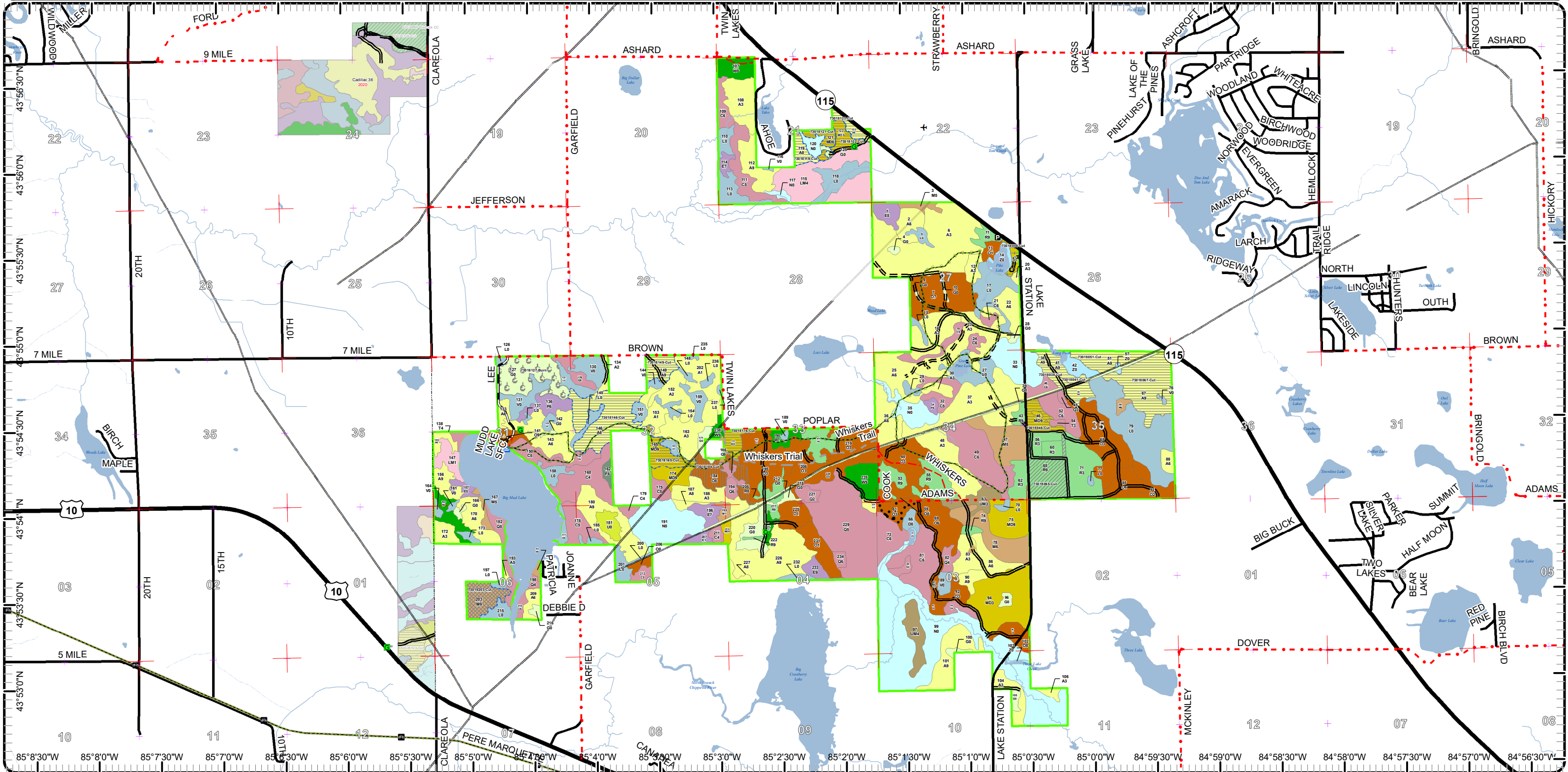
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 18
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 T18N-R06W Sec. 27,34,35
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 YOE: 2025
 Acres: 4873.9 GIS Calculated
 Examiner: Casey Ownes
 Map Revised: 5/24/2023
 Map Phase: Pre-Review

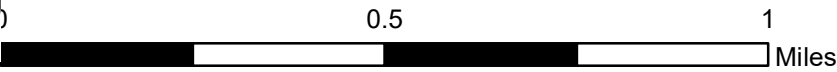
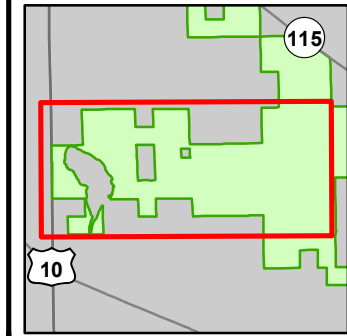


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- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
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- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
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- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Designated Rail Trail
- Airport
- Berms
- Gate
- Boating Access Site
- Campground
- Parking Lot
- Trailhead
- Intermittent Stream
- Lake/Pond
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- Harvest, Overstory Removal
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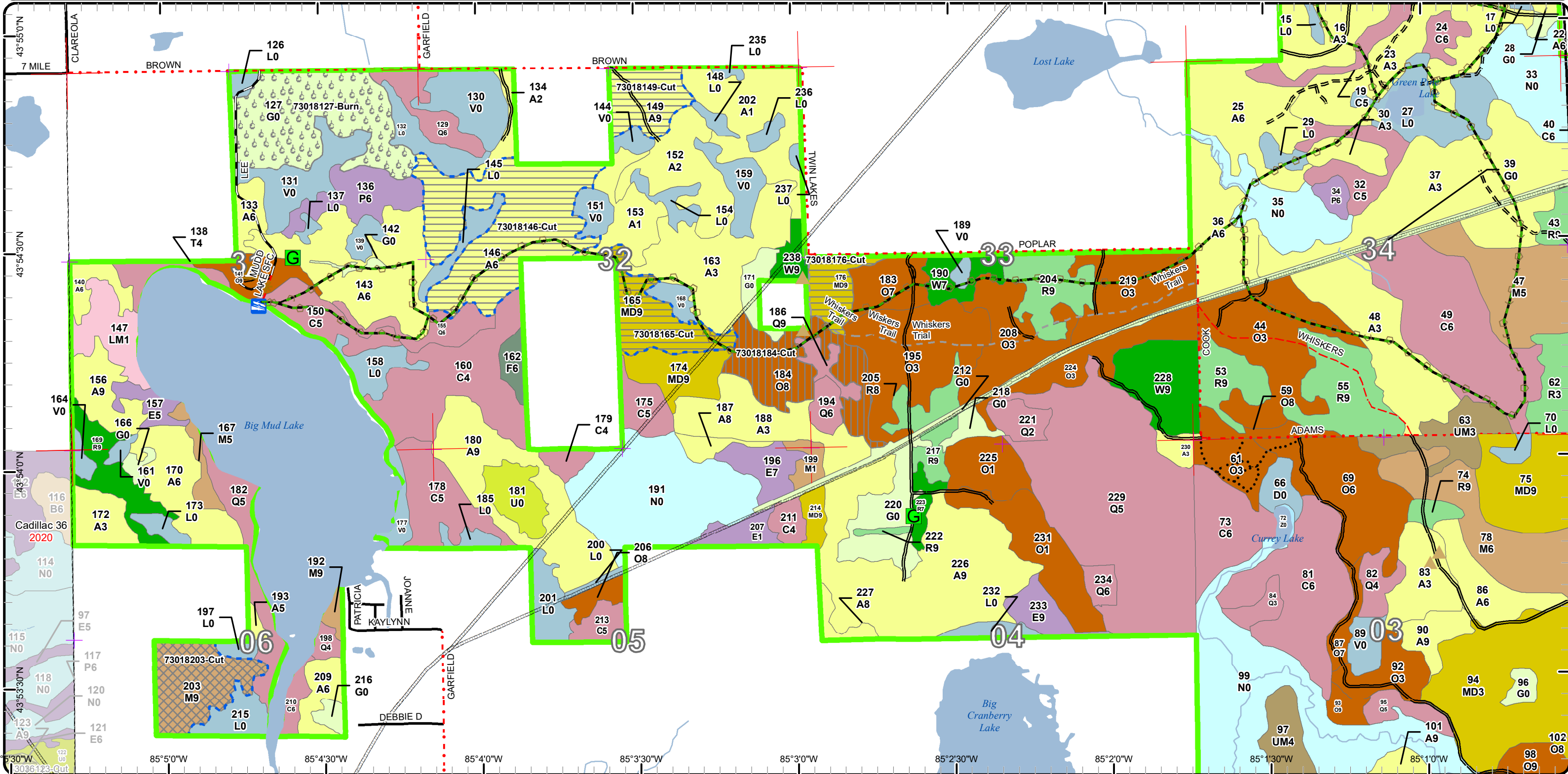


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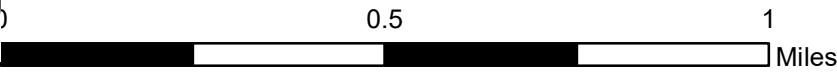
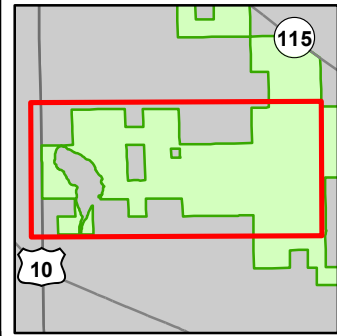


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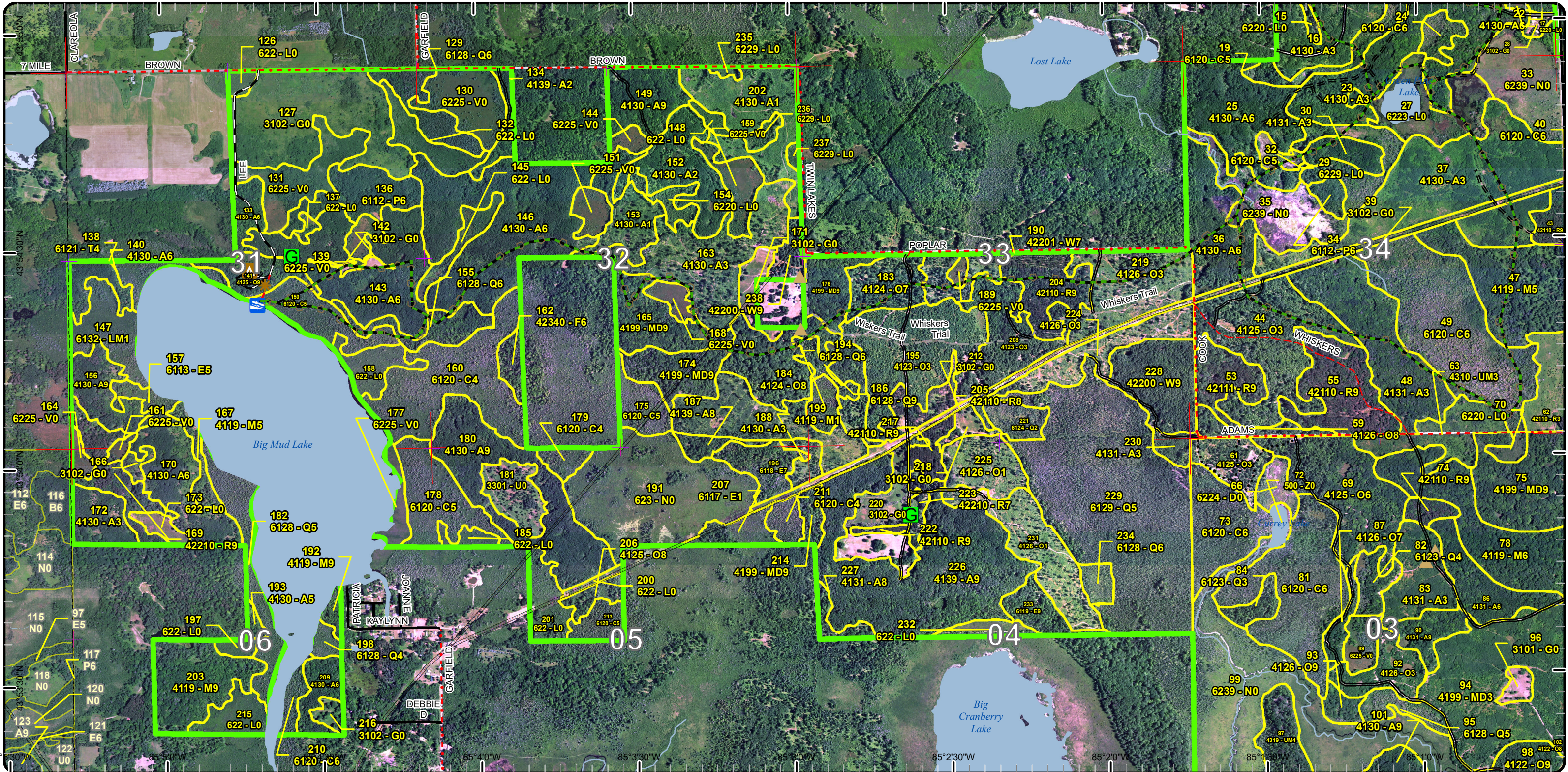


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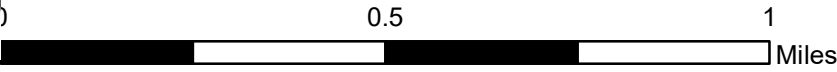
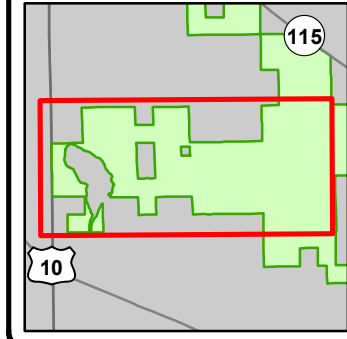


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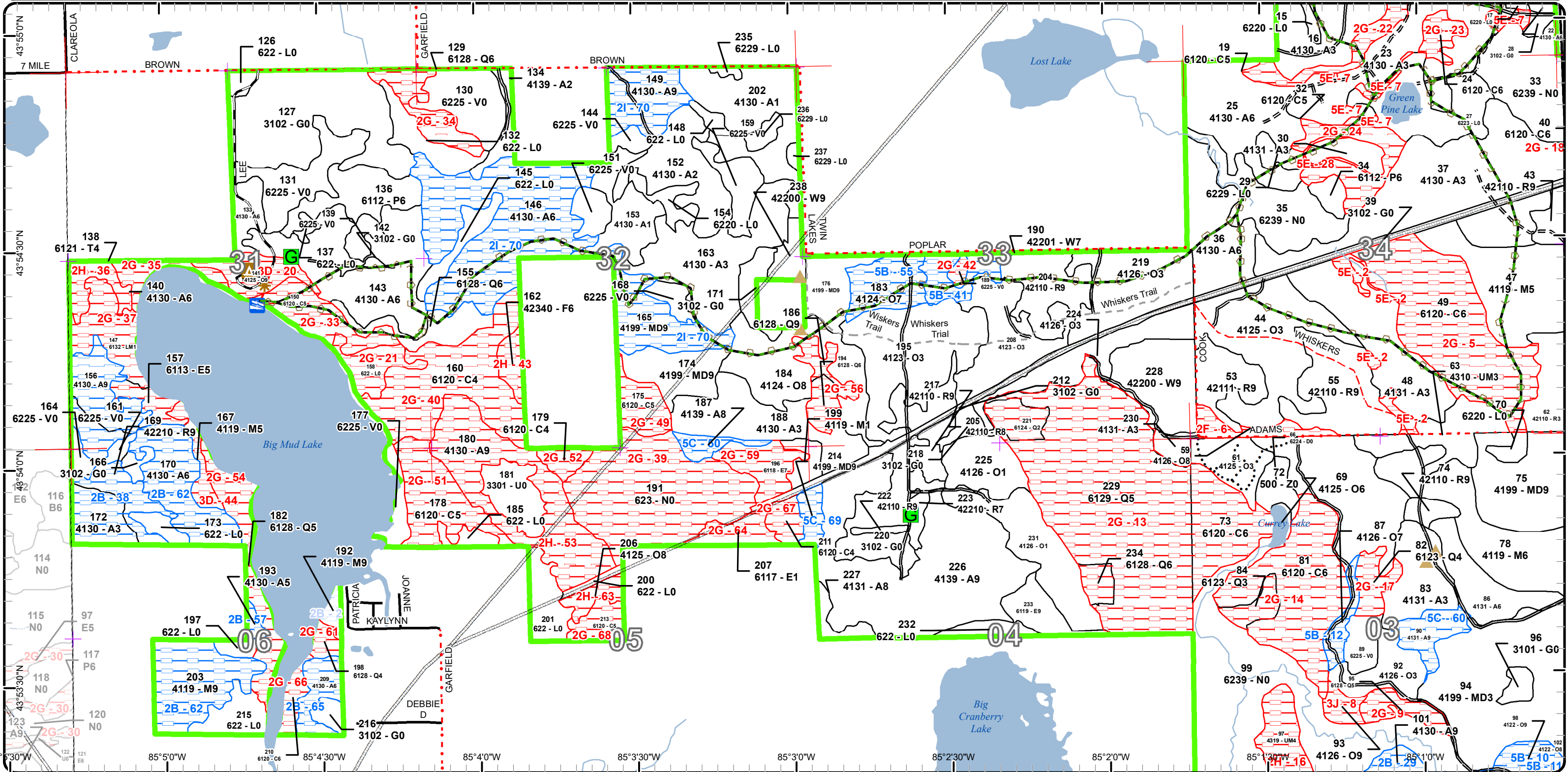


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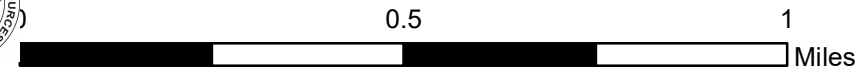
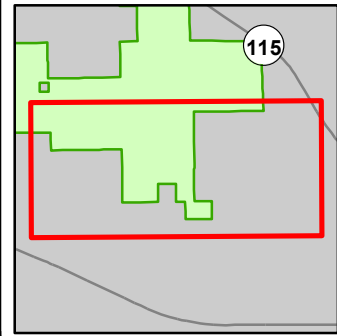


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- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries

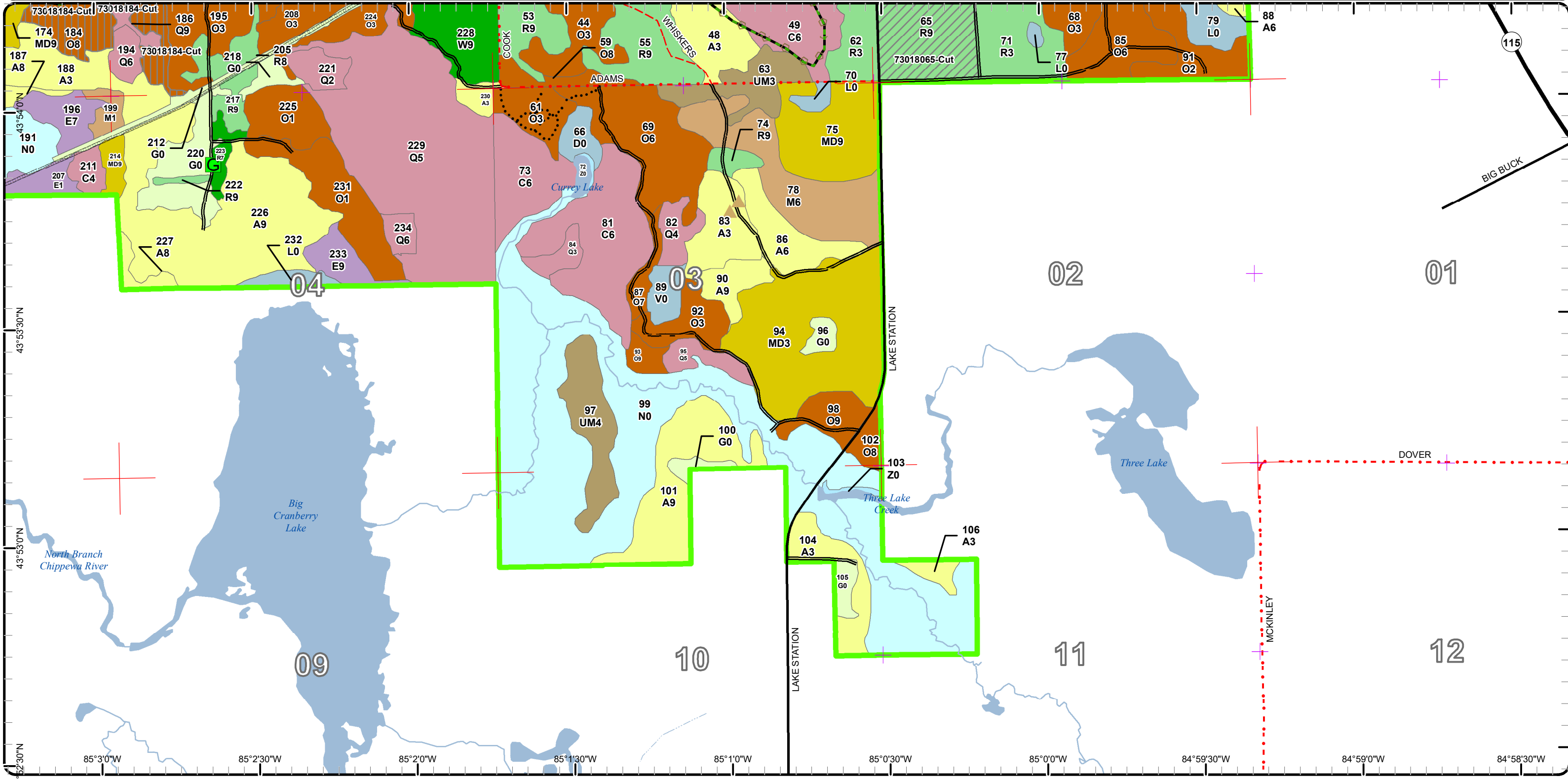


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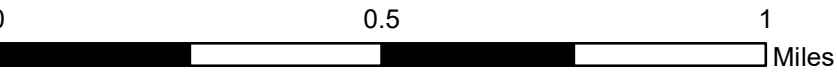
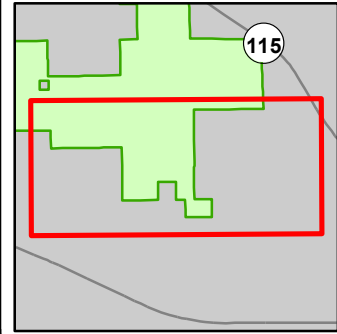
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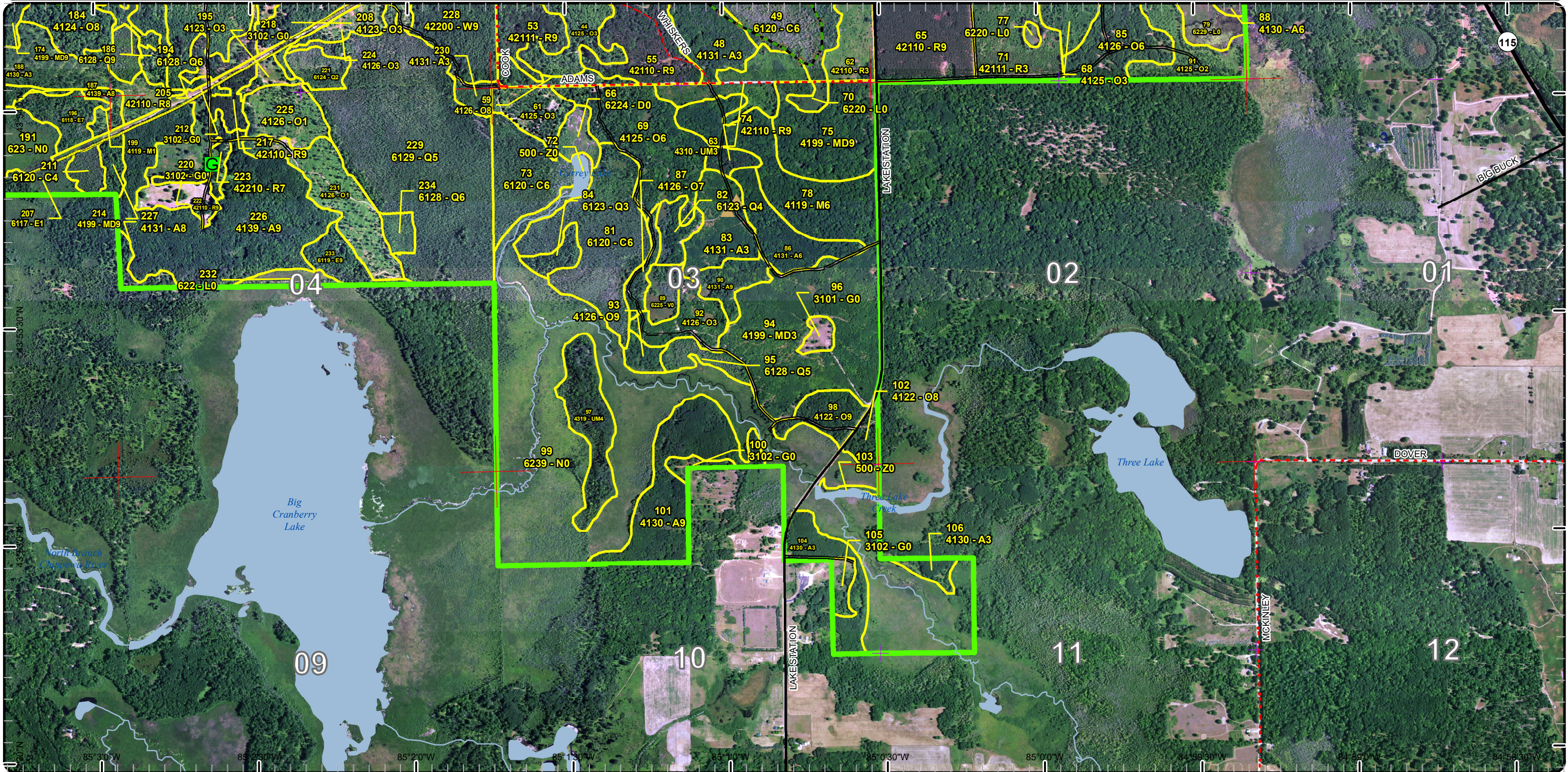
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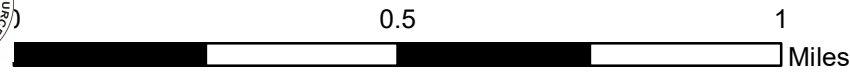
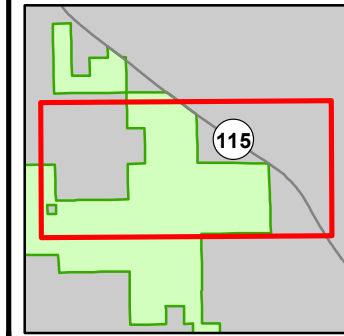


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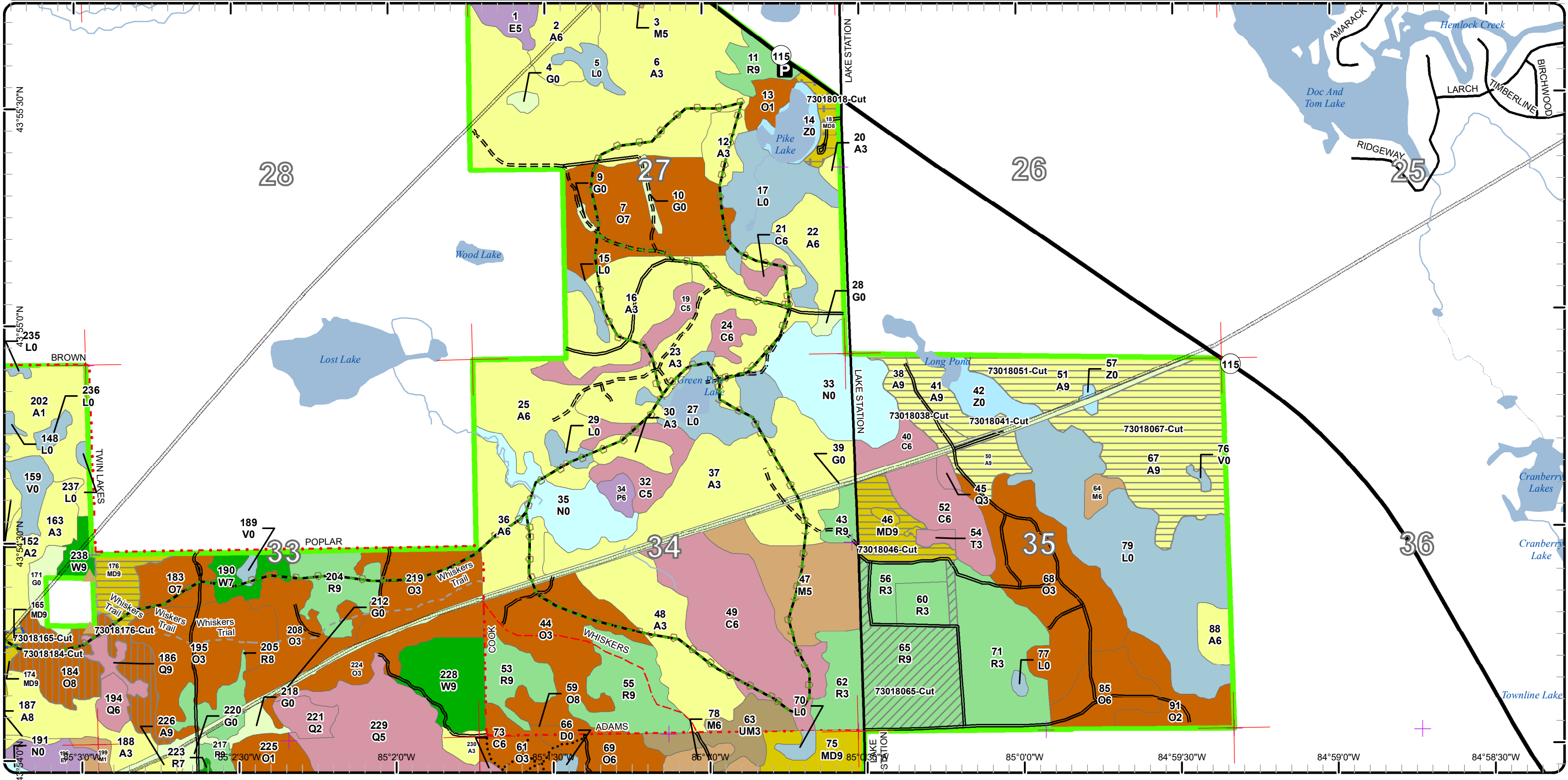


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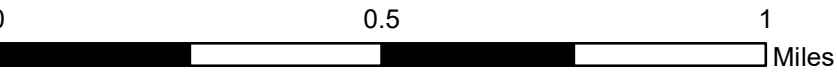
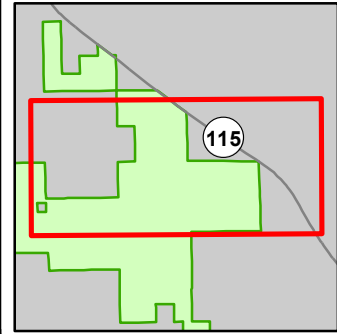


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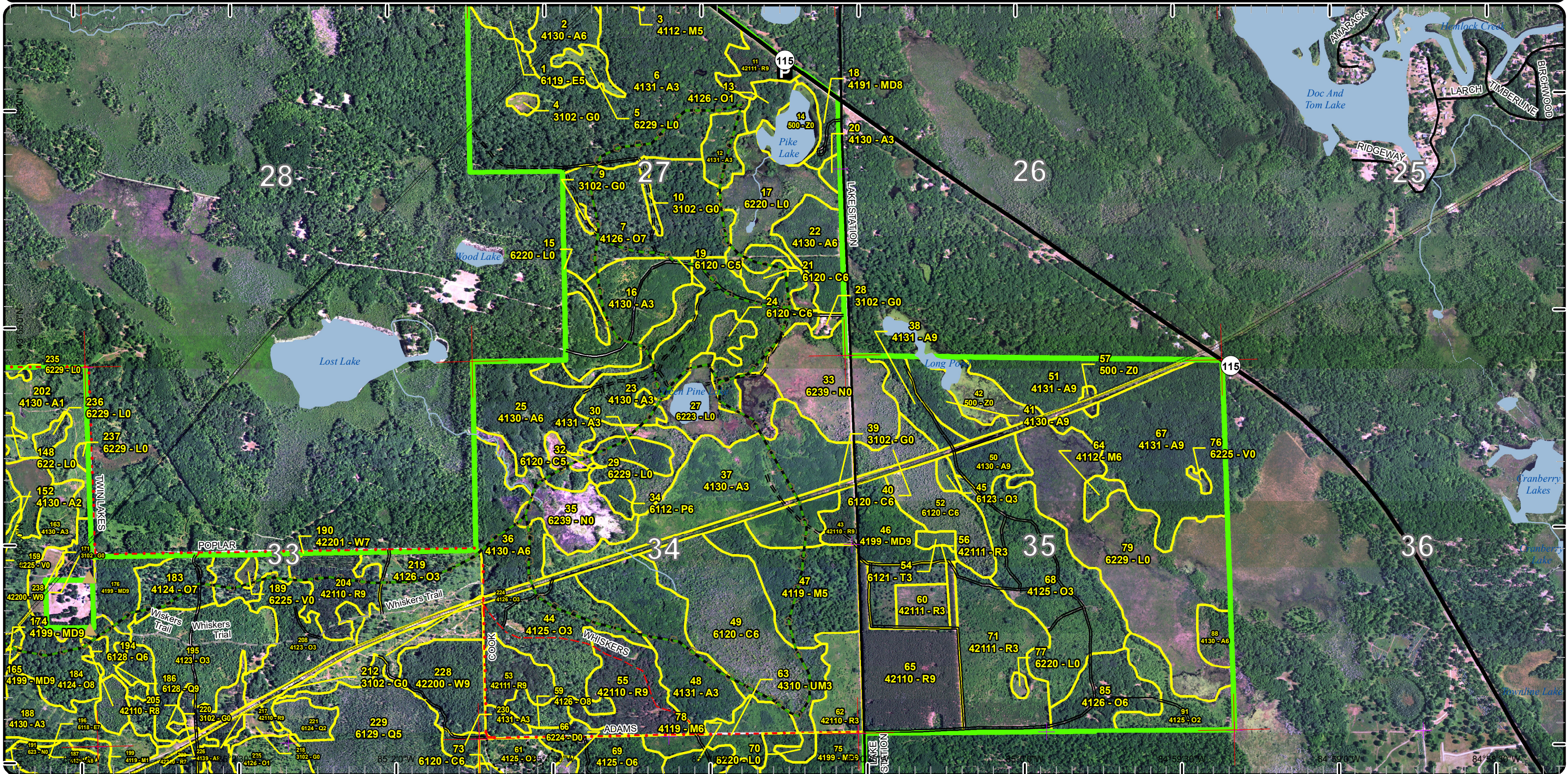


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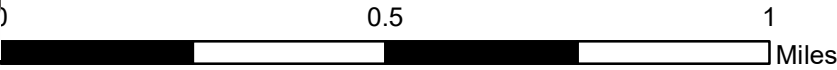
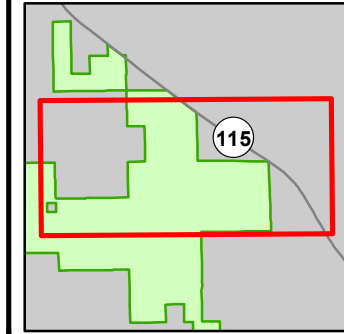


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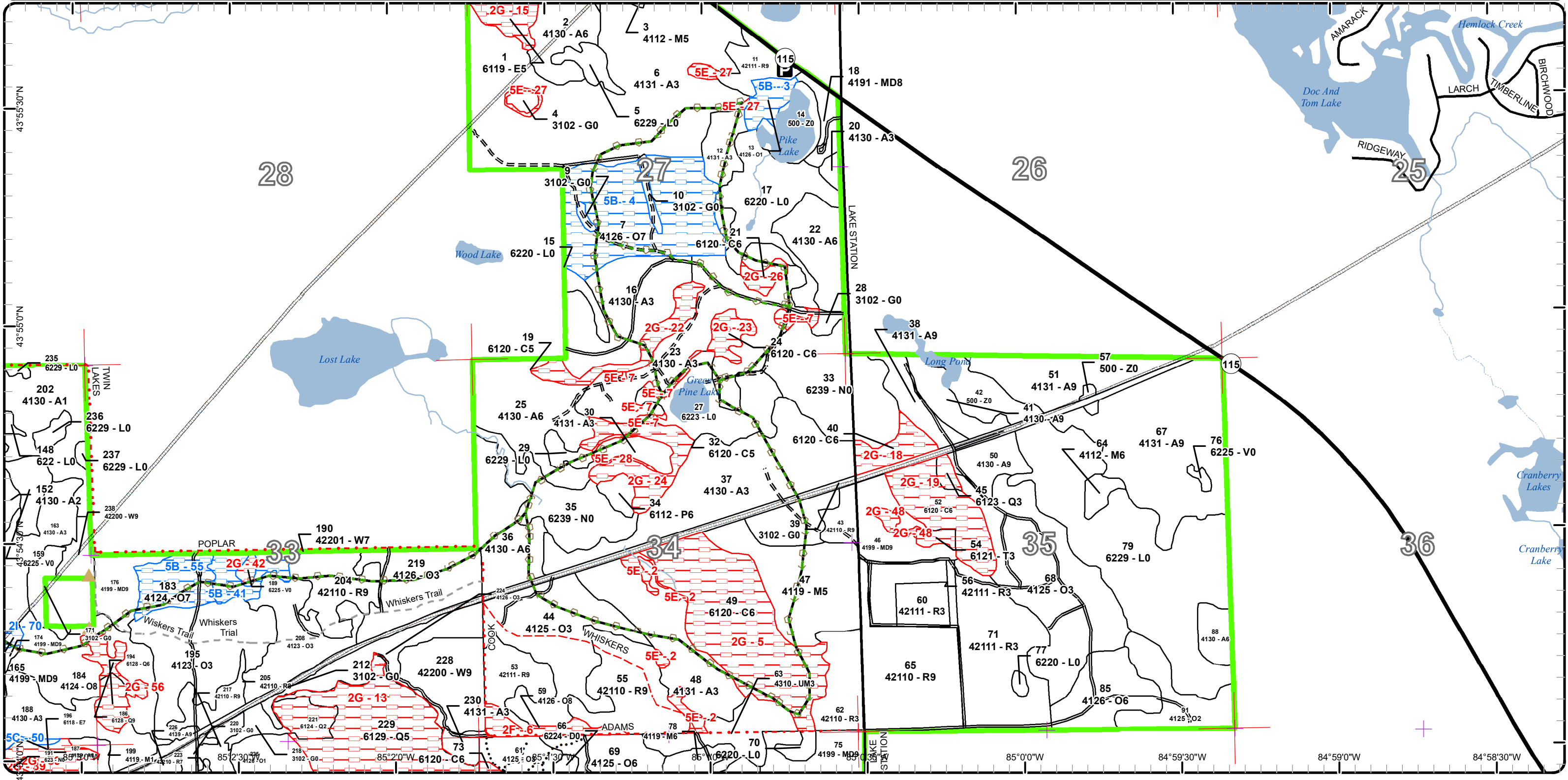


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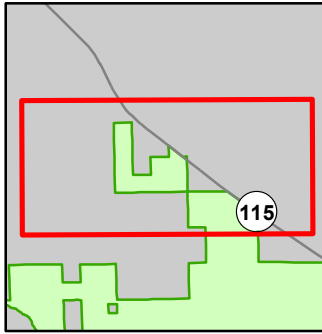
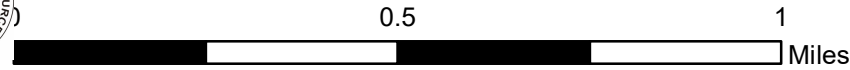


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- Available w/ Constraints
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality

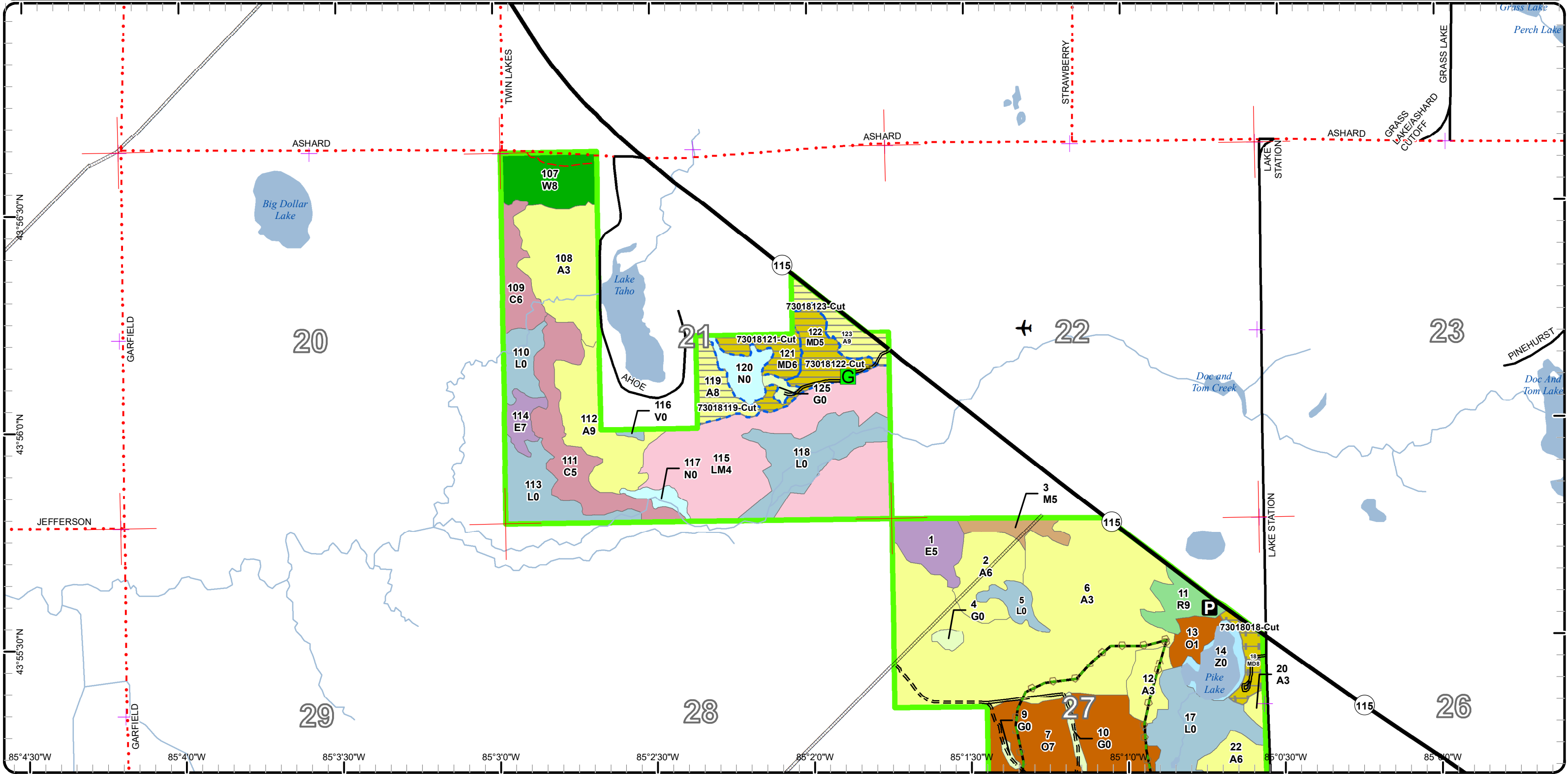


Cover Type & Treatments Map

Compartment: 18
 T17N-R06W Sec. 03,10,11
 T18N-R06W Sec. 27,34,35
 County: Clare
 Unit: Gladwin
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 4873.9 GIS Calculated
 Examiner: Casey Ownes
 Map Revised: 5/24/2023
 Map Phase: Pre-Review

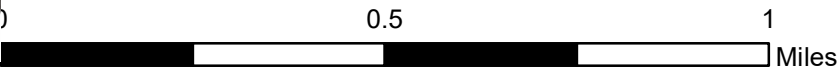
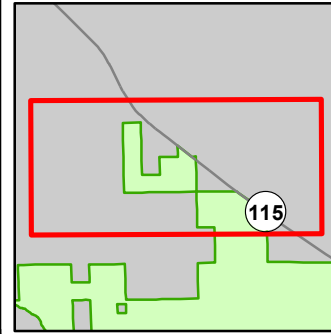


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- Designated Multi-Use Trails
- ✈ Airport
- G Gate
- P Parking Lot
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

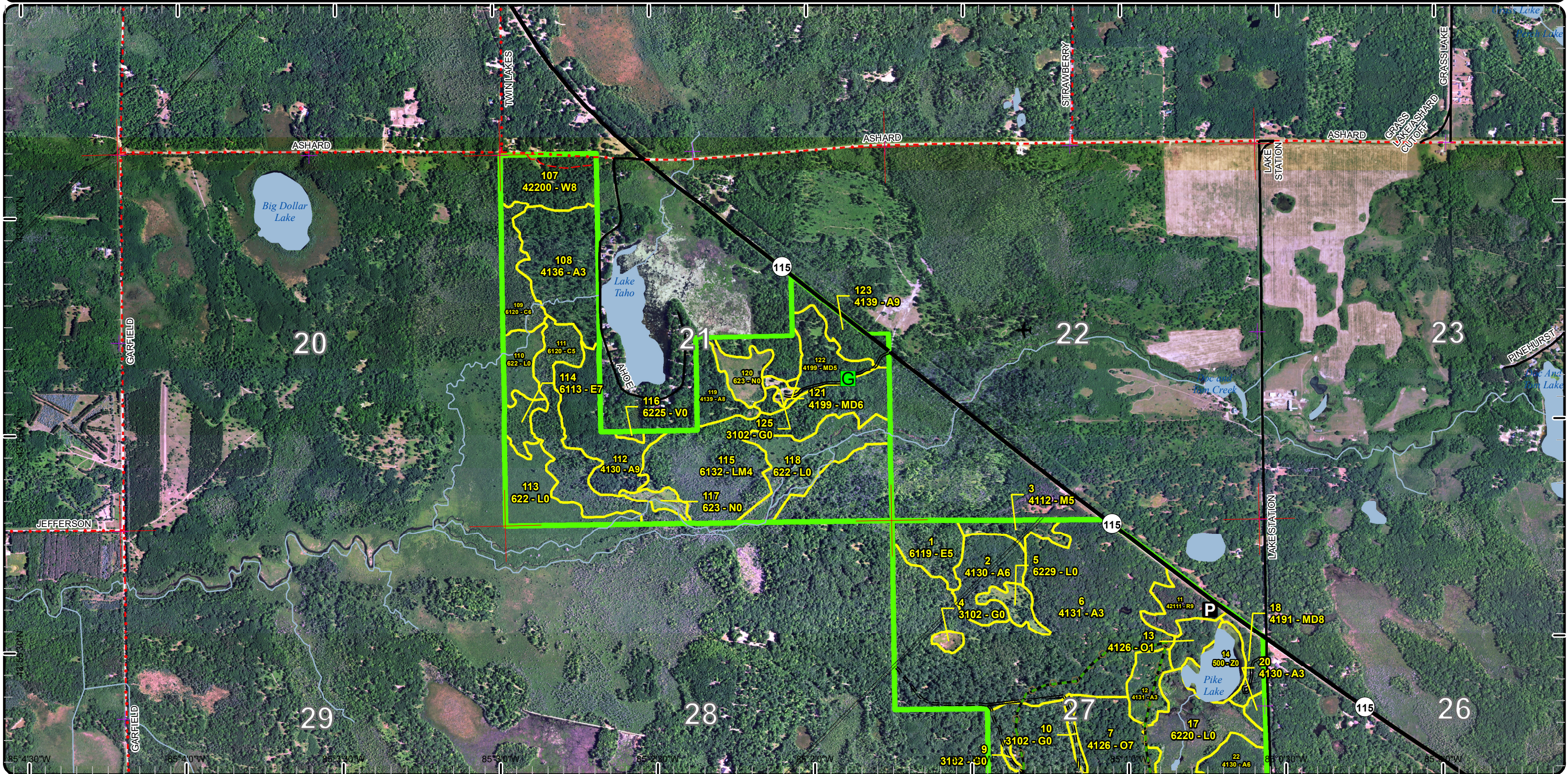


Stand Boundary Map

Compartment: 18
 T17N-R06W Sec. 03,10,11
 T18N-R06W Sec. 27,34,35
 County: Clare
 Unit: Gladwin
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 4873.9 GIS Calculated
 Examiner: Casey Ownes
 Map Revised: 5/24/2023
 Map Phase: Pre-Review



- Miris Corners
- ✚ Remonumented Section Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- - - Designated Hiking Trails
- - - Designated Bicycle Trails
- - - Designated Ski Trails
- ⬠ Designated Snowshoe Trails
- Designated Multi-Use Trails
- ✈ Airport
- G Gate
- P Parking Lot
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 18

Year of Entry 2025

Casey Ownes : 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	275	341	104	251	307	209	0	2	0	0	0	0	0	0	0	0	0	1486
Bog	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Cedar	0	0	0	0	0	0	0	0	12	0	19	139	147	33	0	0	0	65	413
Herbaceous Openland	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164
Low-Density Trees	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Aspen/Balsam Poplar	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	23	0	9	0	140	0	0	13	9	0	0	0	0	49	243
Lowland Deciduous	0	0	0	0	0	7	0	9	0	28	0	11	0	0	0	0	0	8	63
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	92	0	0	0	20	0	0	0	112
Lowland Shrub	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350
Marsh	419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	418
Mixed Upland Deciduous	0	0	83	0	0	0	62	0	40	6	22	15	0	8	0	0	0	10	245
Northern Hardwood	0	0	6	7	54	0	0	0	44	39	0	0	0	0	0	0	0	4	153
Oak	0	52	200	168	0	0	0	26	0	0	7	168	0	0	0	0	0	6	625
Red Pine	0	0	93	0	0	0	0	171	0	0	0	0	0	0	0	0	0	19	283
Tamarack	0	0	0	0	3	0	0	0	0	0	0	0	0	8	0	0	0	0	11
Treed Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	0	21	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	48
Upland Spruce/Fir	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
White Pine	0	0	0	0	0	0	0	51	0	7	0	11	0	0	0	0	0	0	69
Total	1091	327	744	279	356	320	307	257	98	220	140	344	160	50	28	0	0	161	4872



Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 18

Total Compartment Acres: 4,874

Commercial Harvest - 265
 Harvests with Site Condition - 210
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	259	0	0	0	0	0	0	0	0	259
Mixed Upland Deciduous	88	0	0	0	0	8	0	0	0	96
Northern Hardwood	0	31	0	0	0	0	0	0	0	31
Oak	0	0	0	0	38	0	0	0	0	38
Red Pine	0	0	0	0	0	52	0	0	0	52
Total	347	31	0	0	38	52	8	0	0	475

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	475	0	0	0	61	0	0	0	0	537
Next Step	0	0	0	0	61	0	424	0	0	485
Total	475	0	0	0	122	0	424	0	0	1022



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

Proposed Treatments:

18	73018018-Cut	8.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	120	81-110	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Specs: Cut all species 4 inches and up. Leave all green ring trees. Do not cut understory red pine and white pine. Apply Gladwin Grouse spec, oak wilt spec,

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

Acceptable Regen: Meeting the minimum stocking guidelines for aspen, oak, birch and pine

Other Comment: Green ring white oak in higher concentrations around the lake to the West. In the aspen, red maple pockets in the southeast of stand leave fewer green trees and favor white oak. Leave a soft half chain buffer around the lake.

Site Condition

Proposed Start Date: 10/1 /2024

38	73018038-Cut	12.0	4131 - Aspen, Oak	Sawtimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Cut all species 2 inches and up. Apply Gladwin Grouse spec, and oak wilt restriction. Protect the gas line, communicate with the site condition forester about pipeline crossing.

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

Acceptable Regen: Full to moderate aspen regeneration

Other Comment: Survey corners 115 K11 Lake I11

Site Condition

Proposed Start Date: 10/1 /2024

41	73018041-Cut	12.8	4130 - Aspen	Sawtimber Well	55		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Cut all species 2 inches and up. Apply Gladwin Grouse spec, and oak wilt restrictions. Protect the pipeline, communicate with the site condition forester about pipeline crossing.

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

Acceptable Regen: Full to moderate aspen regeneration.

Other Comment: Survey corners 115 K11 Lake I11

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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46	73018046-Cut	19.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all species 2 inches and up except Balsam Fir and Cedar. Apply Gladwin Grouse spec and the oak wilt restrictions.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Full to moderate regeneration of aspen

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

50	73018050-Cut	12.8	4130 - Aspen	Sawtimber Well	55	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all species 2 inches and up. Apply Gladwin Grouse Spec and oak wilt restrictions. Retention should be in pockets around or by any wet pockets.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Full to moderate aspen

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

51	73018051-Cut	30.2	4131 - Aspen, Oak	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest all species 2 inch and up. Apply Gladwin Grouse spec, as well as oak wilt restriction. Protect gas line, coordinate with site condition forester. Reserve retention pockets around wet pockets in the stand. Talk to the site condition forester about pipeline crossing. Harvest size may vary from treatment size. Keep retention for wildlife corridors and visual effects.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Full to moderate aspen

Regen:

Other

Comment: Survey corners
115 K11
Lake I11

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
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65	73018065-Cut	51.5	42110 - Planted Red Pine	Sawtimber Well	69	201+	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut only the marked trees. Thin the BA down to 110. Remove the steams that have low live crown ratio, and suppressed.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Survey corners if needed, Trail to the south runs along the property line.

Comment:
I13
J 13

Site Condition

Proposed Start Date: 10/1 /2024

67	73018067-Cut	78.9	4131 - Aspen, Oak	Sawtimber Well	55	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Apply the Gladwin Grouse spec, as well as the oak wilt restriction. Cut all 2 inch and up all species. Leave retention pockets around the wet pockets in the stand. Harvest size may vary from treatment size. Keep retention for wildlife corridors and visual effects.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Full to moderate regeneration of Aspen

Regen:

Other Talk to the site conditioner forester about the permit process for creating a temporary driveway onto 115.

Comment:
Survey corners are on
115, K11,
K12
Lake Station I11

Site Condition

Proposed Start Date: 10/1 /2024

119	73018119-Cut	12.2	4139 - Aspen, Mixed Deciduous	Sawtimber Medium	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut 2 inch and up, apply the Gladwin Grouse spec, and apply island retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Full to moderate stocking of aspen, oak, and maple

Regen:

Other A survey will be needed to harvest, there is difficult access, and the site condition forester will need to be included on harvest potential.

Comment:

Site Condition Unknown Access

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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121	73018121-Cut	10.4	4199 - Other Mixed Upland Deciduous	Poletimber Well	52	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Cut all species 2 inch and up. Use island retention, keep retention to wet pockets. Apply Gladwin Grouse spec and oak wilt restrictions.
Specs:

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

Acceptable Meeting the minimum stocking guidelines for aspen, maple, and oak.
Regen:

Other If proposal passes a survey request will be put in to mark our property boundaries.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2024

122	73018122-Cut	18.2	4199 - Other Mixed Upland Deciduous	Poletimber Medium	54	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Cut all species 2 inches and up leave all white pine. apply the Gladwin grouse spec and the oak wilt restrictions.
Specs:

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

Acceptable Meeting minimum stocking guild lines for aspen, oak, white pine, and maple
Regen:

Other If proposal passes a survey request will be put in to mark our property boundaries.
Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2024

123	73018123-Cut	13.0	4139 - Aspen, Mixed Deciduous	Sawtimber Well	54	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all species 2 inch and up, Apply the Gladwin Grouse spec and apply Retention pockets in any low areas. Leave the boundry of the sale
Specs: at M-115 do not include the small portion in the sale.

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

Acceptable Meet the minimize stocking guild for Aspen.
Regen:

Other If proposal passes a survey request will be put in to mark our property boundaries.
Comment:

Site Condition Survey Needed

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
127 73018127-Burn	61.2	3102 - Grass	Nonstocked		Immature	Burn	Opening	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Burn, mechanically, or chemically treat, the stand to promote grass regeneration, along with decreasing the number of woody stems. There are areas that may need to be excluded due to wet pockets near the lowland swamps to the East, and South.</p> <p><u>Next Step Treatments:</u> Burn, Opening</p> <p><u>Acceptable Regen:</u> A stimulation of the grasses and fewer woody stems per acre.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
146 73018146-Cut	79.5	4130 - Aspen	Poetimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species 2 inches and up. Apply the Gladwin Grouse spec, as well as the trail protection spec for the Green Pathways Trail that runs through the stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen, and maple regeneration to meet the minimum stocking requirements</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
149 73018149-Cut	20.6	4130 - Aspen	Sawtimber Well	57	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Remove all species 2inch and up. Reserve retention pockets around vernal ponds, buffer a trees length. Apply Gladwin grouse spec and the oak wilt restrictions.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen regeneration mixed with oak and pine to meet minimum regeneration.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
165 73018165-Cut	25.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	56	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all species 2 inch and up, keep retention islands around wet parts of the stand. Apply the Gladwin Grouse spec, the oak wilt spec, and the trail spec for the Green Pine pathways that runs through the stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Meeting the minimum stocking guild requirements for Aspen, Oak, and Maple regeneration</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</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
176 73018176-Cut	14.6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	105	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription Specs:</u> Clearcut all species 2 inch and up excluding conifer species. Apply the oak wilt spec, the Gladwin Grouse spec, the trail spec for the green pine pathways that runs through the stand. Leave the retention pockets by conifer stems.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Meeting the minimum stocking requirements of Aspen, Oak, and Pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
184 73018184-Cut	37.7	4124 - Red with White Oak	Sawtimber Medium	104	51-80	Harvest	Shelterwood with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription Specs:</u> Cut 2 inches and up, mark to leave 20 BA of oak in pockets of 2 to 5 steams. Leave all conifer. Apply oak wilt restrictions. Protect the green pine pathway with trail protection spec.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Full to moderate oak, aspen, and pine regeneration.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
203 73018203-Cut	31.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	80	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Cut pockets into the stand to bring the BA down to 70 BA. Apply the oak wilt restrictions.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Meeting minimum stocking guidelines of red maple, red oak, and white pine.</p> <p><u>Other Comment:</u> Access is still unknow was unable to contact the landowner to the south to see if we can use their road.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Total Treatment 549.4
Acres Proposed:

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

Compartment: 18
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail			Dominant Site Conditions									
		With Condition	Not Available		2B	2I	5B	5C	2F	2G	2H	3D	3J	5E
1488	1149	258	80	Aspen	129	113	0	16	0	0	64			16
100	98	0	2	Bog	0					2				
414	0	0	414	Cedar			0			414	0			
163	163	0	0	Herbaceous Openland	0					0				
15	15	0	0	Low-Density Trees										
25	25	0	0	Lowland Aspen/Balsam Poplar						0				
242	14	0	229	Lowland Conifers	0					229				
64	11	0	53	Lowland Deciduous	0					53		0		
112	0	0	112	Lowland Mixed Forest						112				
350	310	0	40	Lowland Shrub	0					40	0			
419	348	0	71	Marsh			0			71	0			
244	182	59	2	Mixed Upland Deciduous		54	0	6		2				
152	111	35	7	Northern Hardwood	35					0		7		
625	477	116	32	Oak			116		8	0	6	13	5	
283	264	19	0	Red Pine	19					0				
11	0	0	11	Tamarack						11				
7	7	0	0	Treed Bog										
48	21	0	27	Upland Mixed Forest						0	27			
6	0	0	6	Upland Spruce/Fir							6			
36	36	0	0	Water						0				
69	58	11	0	White Pine			11			0				
4,874	3,290	499	1,085	Total Forested Acres	182	167	127	22	8	934	103	20	5	16
	68%	10%	22%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

Compartment: 18
Year of Entry: 2025

2	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	8		Unspecified	Unspecified	Unspecified
Comments: No treatment leave seed trees and manage for understory.							
4	Available	5B: Maintain for regeneration purposes	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	71	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No treatment. Too wet for commercial treatment. Stand is very wet. Stand is mostly Q type with scattered areas of lowland hardwood. Balsam fir is taking over.							
6	Unavailable	2F: Too steep	8	5B: Maintain for regeneration purposes	3D: Recreational / Scenic values	Unspecified	Unspecified
Comments: No treatment. Small stand on slope above county road. On slope above county road. Hill climb area, trails up and down slope. O3 understory.							
7	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	5B: Maintain for regeneration purposes	3L: Other wildlife concerns	Unspecified	Unspecified
Comments: Small oak stand that was left out of sale to the north, right along lowland type. Stand is regenerating naturally to oak. Great wildlife stand / BMP stand. Between upland managed area and large lowland complex.							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet, to wet for commercial harvest. Small diameter sparse timber, blow down, lots of diversity.							
10	Available	5B: Maintain for regeneration purposes	13		Unspecified	Unspecified	Unspecified
Comments: Oak / white pine stand, small stand between large clearcut to the north and a lowland marsh complex to the south. Very dense white pine sap/pole understory. Removing mixed oak would set back the white pine. Leave stand as natural buffer between clearcut and large swamp. Also visual buffer along Lake Station Ave.							
11	Available	5B: Maintain for regeneration purposes	7		Unspecified	Unspecified	Unspecified
Comments: Shelterwood harvest in 2008. O3/W3 in the understory. Fair amount of white pine in this stand. Visual concerns with this stand, small stand along Lake Station Ave.							
12	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: South 1/2 - 1/3; No treatment. The regeneration will continue to grow, the overstory may favor the oak regen and the mature oaks will provide mast.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	178	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar/Q type very low and wet, mucky soils. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							

Report 4 – Site Conditions

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14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar/Q type very low and wet, mucky soils. To wet for commercial harvest. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Island of timber surrounded by large lowland marsh system.							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: In a depression, bog type ground cover. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar swamp, no treatment. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							

Report 4 – Site Conditions

Gladwin Mgt. Unit
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19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							
20	Unavailable	3D: Recreational / Scenic values	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: There is the Big Mud Lake campground throughout the stand.							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low wet valley. Narrow stand between two managed aspen stands. (possible blow down) Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet, no commercial harvest. Mixed conifer hardwood swamp. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							

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24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet, to wet for commercial harvest. North arm of stand is inclusion of a lowland brush/marsh area. Gladwin Forest Mgmt. Unit, Compartment Review - 2015 YOE - 07/31/2013							
25	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	2B: Unknown if access through adjacent landowner(s) is possible	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Landowner denied access 10 years ago.							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	2B: Unknown if access through adjacent landowner(s) is possible	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2023 Contact with the landowner was attempted in January, and February was unable to speak with the landowner.							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	70	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	51	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	3D: Recreational / Scenic values	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Odd shape and small stand to try and harvest by itself, possibly leave until we harvest the stand the north 188.							
51	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Casey Ownes : Examiner

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54	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Advanced regeneration may be overly damage if harvest occurs.							
56	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Available	2B: Unknown if access through adjacent landowner(s) is possible	2	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
58	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Access may be possible through state land with crane mats or poly mats. Consult site condition forester for a final answer.							
59	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

Compartment: 18
Year of Entry: 2025

60	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small stand harvest with neighboring stands to the northeast, re-evaluate next YOE.							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Available	2B: Unknown if access through adjacent landowner(s) is possible	60	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: 2023Contact with the landowner was attempted in January, and February was unable to speak with the landowner. A survey will need to be done in this area as well.							
63	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

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Year of Entry: 2025

65	Available	2B: Unknown if access through adjacent landowner(s) is possible	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
68	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Available	2I: Survey needed	125	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gladwin Mgt. Unit
Casey Ownes : Examiner

Compartment: 18
Year of Entry: 2025

71	Available	2I: Survey needed	42	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
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Comments

Mgt. Unit

Compartment:

Year of Entry



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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
1	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	15.3	82	51-80	N/A	Casey Owens 02/03/2023 Lowland stand, small low quality stems.																																					
<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>Paper Birch</td> <td>25</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>55</td> <td>Pole</td> <td>7</td> <td>82</td> </tr> <tr> <td>Northern Pin Oak</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	25	Pole	7		Quaking Aspen	10	Pole	7		Red Maple	55	Pole	7	82	Northern Pin Oak	10	Pole	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>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Deciduous Shrubs</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Deciduous Shrubs	Low	Variable	Tall Shrub	Tag Alder	Low	Variable	Tall Shrub
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2	4130 - Aspen	Poletimber Well	20.4	37	81-110	N/A	Casey Owens 02/22/2023Moderate quality stems. Upland growing well, no treatment this YO																																					
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3	4112 - Maple, Beech, Cherry Association	Poletimber Medium	8.0	87	51-80	N/A	Casey Owens 02/22/2023Semi open stand lots of open brushy areas. Brush is mainly pin cherry.																																					
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4	3102 - Grass	Nonstocked	2.2			No	Casey Owens 02/22/2023lower ground grass cover																																					
5	6229 - Mixed lowland shrub	Nonstocked	6.5			No	Casey Owens 02/22/2023Lowland brush																																					
6	4131 - Aspen, Oak	Sapling Well	156.4	6	Immature	N/A	Casey Owens 02/22/2023Decent aspen stand with red maple and mixed oak present as well. Mostly upland with scattered wet pockets. Cut Spring of 2018. Scattered large oaks left through stand.																																					
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7	4126 - White, Black, N. Pin Oak	Sawtimber Poor	67.5	109	1-50	N/A	All aspen, red maple and marked oak harvested in 2006. Timber sale cruised residual was 44 sq ft. Residual oak are mature and larger DBH. Lots of mixed understory as a result of the 2006 partial harvest.																																					
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9	3102 - Grass	Nonstocked	1.2			No	Casey Owens 02/22/2023Grass stand, old landing.																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
10	3102 - Grass	Nonstocked	2.7			No	Casey Owens 02/22/2023Grass stand, old landing.																																						
11	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	11.9	69	111-140	N/A	Casey Owens 02/22/2023Red pine stand with fair amount of oak and red maple mixed in. Up against M-115.																																						
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12	4131 - Aspen, Oak	Sapling Well	10.9	17	Immature	N/A	Casey Owens 02/22/2023Clearcut 2006, good mix of natural regeneration.																																						
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13	4126 - White, Black, N. Pin Oak	Sapling Poor	7.6	17	Immature	N/A	Casey Owens 02/22/2023Seed tree harvest in 2006. Old Pike Lake Campground.																																						
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14	500 - Water	Nonstocked	14.6			No	Pike Lake.																																						
15	6220 - Alder/willow	Nonstocked	4.1			No	Casey Owens 02/22/2023Lowland brush with cedar and balsam around edges.																																						
16	4130 - Aspen	Sapling Well	43.1	17	Immature	N/A	Casey Owens 02/22/2023Clearcut 2006. Excellent aspen regeneration.																																						
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17	6220 - Alder/willow	Nonstocked	36.6			No	Tag alder and marsh type.																																						



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 Sawtimber Medium 8.0 120 81-110 N/A Casey Owens 02/22/2023
Small oak stand between Pike Lake, M-115 and Lake Station Ave. Parking area within stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	30	Log	14	120	Black/Red (Hybrid) Oak	Medium	Variable	Sapling
White Oak	10	Log	13		Paper Birch	Low	>20 feet	Sapling
White Pine	20	Pole	8		White Pine	Medium	Variable	Sapling
Red Maple	20	Log	10		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	20	Log	10		Bigtooth Aspen	Medium	Variable	Sapling

19 6120 - Lowland Cedar Poletimber Medium 13.7 113 51-80 N/A Low wet valley. Narrow stand between two managed aspen stands. (possible blow down)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	6		Red Maple	Low	Variable	Sapling
Paper Birch	10	Pole	6		Deciduous Shrubs	Medium	Variable	Tall Shrub
Northern White Cedar	70	Pole	6	113	Balsam Fir	Medium	Variable	Sapling
					Ash (spp.)	Low	Variable	Sapling

20 4130 - Aspen Sapling Well 2.5 17 Immature N/A Clearcut 2006, good aspen regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	3	17
Quaking Aspen	15	Sapling	3	17
Bigtooth Aspen	75	Sapling	3	17
Northern Pin Oak	5	Sapling	2	17

21 6120 - Lowland Cedar Poletimber Well 4.2 103 N/A Very wet, no commercial harvest. No BA required.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	17	Pole	6		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole	6		Red Maple	Medium	Variable	Sapling
Tamarack	13	Pole	7		Ash (spp.)	Medium	Variable	Sapling
Red Maple	10	Pole	6					
Eastern Red Cedar	50	Pole	7	103				

22 4130 - Aspen Poletimber Well 26.1 40 111-140 N/A Aspen regeneration is moving along nice.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	5	Pole/Sapling	6		Oak (spp.)	Medium	Variable	Sapling
Red Maple	5	Pole/Sapling	7		Aspen (spp.)	Full	Variable	Sapling
Bigtooth Aspen	75	Pole/Log	9	40	Red Maple	High	Variable	Sapling
Quaking Aspen	15	Pole/Log	9	36				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
23	4130 - Aspen	Sapling Well	62.6	6	Immature	N/A	Casey Owens 02/02/2023 Decent aspen with red maple and mixed oak as well. Stand is mainly upland with a few scattered wet pockets.																																													
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24	6120 - Lowland Cedar	Poletimber Well	6.7	103	81-110	N/A	Very wet, no commercial harvest. Mixed conifer hardwood swamp.																																													
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27	6223 - Inundated Shrub Swamp	Nonstocked	29.7			No	Low wet ground around Green Pine Lake.																																													
28	3102 - Grass	Nonstocked	2.4			No	Sandy / Grassy area.																																													
29	6229 - Mixed lowland shrub	Nonstocked	4.5			No	Lowland brush.																																													
30	4131 - Aspen, Oak	Sapling Well	9.0	6	Immature	N/A	Casey Owens 02/03/2023 Cut 2017 sale is unknown. Small diameter aspen dominate stand growing well for 6 years old.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
32	6120 - Lowland Cedar	Poletimber Medium	18.8	106		N/A	Very wet, to wet for commercial harvest. North arm of stand is inclusion of a lowland brush/marsh area.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		15	Pole	7		Deciduous Shrubs	Medium	Variable	Tall Shrub
Northern White Cedar		70	Pole	7	106	Ash (spp.)	Medium	Variable	Sapling
Balsam Fir		15	Pole	6		Balsam Fir	Medium	Variable	Sapling
33	6239 - Mixed Emergent Wetland	Nonstocked	47.7			No	Marsh and tag alder.		
34	6112 - Lowland Aspen	Poletimber Well	4.6	37	51-80	N/A	Aspen regeneration, clearcut 1986. Scattered wet pockets within stand. very wet lowland with a Ridge 4 foot high		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole	6	37	Red Maple	High	Variable	Sapling
Quaking Aspen		80	Pole/Log	8	37	Northern Pin Oak	Low	Variable	Sapling
						Aspen (spp.)	High	Variable	Sapling
35	6239 - Mixed Emergent Wetland	Nonstocked	29.6			No	Marsh grass and cattails. Small un-named creek bi-sects stand. Beaver activity.		
36	4130 - Aspen	Poletimber Well	32.4	37	81-110	N/A	Aspen regeneration, clearcut 1986. Scattered wet pockets within stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		75	Pole	7	37	Northern Pin Oak	Low	Variable	Sapling
Paper Birch		2	Pole	5		Aspen (spp.)	High	Variable	Sapling
Red Pine		1	Pole	5		Red Maple	High	Variable	Sapling
White Pine		2	Sapling	4					
Red Maple		15	Pole	6	37				
Northern Pin Oak		5	Pole	5	37				
37	4130 - Aspen	Sapling Well	86.1	17	Immature	N/A	Aspen regeneration, clearcut 2006.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		5	Sapling	4	17	Red Pine	Low	Variable	Sapling
Quaking Aspen		15	Sapling	4	17				
Red Maple		10	Sapling	4	17				
Bigtooth Aspen		70	Sapling	4	17				
38	4131 - Aspen, Oak	Sawtimber Well	12.0	55	Unspecified	N/A	Mostly an aspen stand with maple, oak, and a little Balsam Fir mix in. this stand is ready to be harvested this year of entry.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		50	Log	15	55	Red Maple	Medium	Variable	Sapling
Red Oak		20	Log	15		Balsam Fir	High	Variable	Sapling
Red Maple		20	Log/Pole	11	55	Aspen (spp.)	Medium	Variable	Sapling
Balsam Fir		10	Pole	5	55				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
39	3102 - Grass	Nonstocked	21.9			No	ANR pipeline.		
40	6120 - Lowland Cedar	Poletimber Well	10.1	119	81-110	N/A	Cedar swamp, no treatment.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		10	Sapling/Pole	4		Maple (spp.)	Low	5 - 10 feet	Sapling
Northern White Cedar		60	Pole	7	119	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir		10	Pole	7		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Red Maple		20	Pole	7		Ash (spp.)	Low	5 - 10 feet	Sapling
41	4130 - Aspen	Sawtimber Well	12.8	55		N/A	Aspen stand, with some oak and maple in low percentages. is ready for harvest this year of entry.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		5	Log	13		Aspen (spp.)	Medium	Variable	Sapling
Red Maple		15	Log	10		Red Maple	Medium	Variable	Sapling
Quaking Aspen		20	Log	14	55	Red Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen		60	Log	15	55				
42	500 - Water	Nonstocked	15.4			No	Water.		
43	42110 - Planted Red Pine	Sawtimber Well	7.2	69	141-170	N/A	Maintain as red pine stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		90	Log	14	69	Red Maple	Low	Variable	Sapling
Northern Pin Oak		10	Log	12		Northern Pin Oak	Low	Variable	Sapling
44	4125 - Black, N. Pin Oak	Sapling Well	53.7	24	Immature	N/A	Oak that was clearcut 1999. Regenerating well to O3 red maple and pin cherry mixed in as well. Some oak residual was left, less than 10 ft. Leave all oak residual.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		10	Sapling	2	24				
White Oak		15	Sapling	3	24				
Pin Cherry		10	Sapling	3	24				
Black/Red (Hybrid) Oak		65	Sapling	3	24				
45	6123 - Lowland Fir	Sapling Well	2.6	34		N/A	Cut in 1989, regenerating well.		
Canopy Species		% Cover	Size Class	DBH	Age				
Balsam Fir		80	Sapling	3	34				
Tamarack		20	Sapling	3	34				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
46	4199 - Other Mixed Upland Deciduous	Sawtimber Well	21.5	90	111-140	N/A	Upland red maple, big tooth, oak. Lowlands hold fir, cedar, and birch. Good quality stems																																																												
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47	4119 - Mixed Northern Hardwoods	Poletimber Medium	44.1	78	51-80	N/A	Open sparse cherry and maple. Stand was interplanted to red pine in 2005. P3 inclusion at north/west end of stand.																																																												
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48	4131 - Aspen, Oak	Sapling Well	47.4	7	Immature	N/A	Casey Owens 02/27/2023 Stand is coming back to aspen with light amount of oak and maple. Cut Fall of 2016. Retention left around wet areas and scattered Oak.																																																												
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49	6120 - Lowland Cedar	Poletimber Well	70.9	106	81-110	N/A	Stand is very wet. Stand is mostly Q type with scattered areas of lowland hardwood. Balsam fir is taking over.																																																												
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50	4130 - Aspen	Sawtimber Well	12.8	55	111-140	N/A	This stand is ready to harvest this year of entry. It is a good aspen stand with small amounts of maple and oak.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51	4131 - Aspen, Oak	Sawtimber Well	30.2	55	81-110	N/A	Cut in 1968. Some residual oak and maple left. Good growth form on most stems.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		5	Log/Pole	11		Red Maple	
Black Cherry		5	Log/Pole	11		Deciduous Shrubs	
White Oak		10	Log	14		Density	
Quaking Aspen		20	Log	13	55	Avg. Height	
Red Oak		10	Log	14		Size	
Red Maple		30	Log/Pole	11	55	Sapling	
Bigtooth Aspen		20	Log	13	55	Tall Shrub	

52	6120 - Lowland Cedar	Poletimber Well	25.2	119		N/A	Cedar swamp, Areas of blow down.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		5	Pole	7		Balsam Fir	
Balsam Fir		5	Pole	6		Deciduous Shrubs	
Red Maple		5	Pole	6		Ash (spp.)	
Tamarack		5	Pole	7		Red Maple	
Northern White Cedar		80	Pole	7	119	Density	
						Avg. Height	
						Size	
						Sapling	
						Tall Shrub	

53	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	16.4	69	141-170	N/A	Red pine mixed with fair amount of oak. Red pine is suppressed looking.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern Pin Oak		20	Log	16		Northern Pin Oak	
Red Pine		70	Log	11	69	Red Maple	
White Oak		10	Log	16		Deciduous Shrubs	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Tall Shrub	

54	6121 - Tamarack	Sapling Well	2.8	36		N/A	Cut in 1987.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		25	Sapling	3			
Tamarack		75	Sapling	3	36		

55	42110 - Planted Red Pine	Sawtimber Well	32.6	69	141-170	N/A	Red pine plantation, was thinned in 2006. Not ready to be thinned again yet BA is a little low and crowns not closed yet. All oak was left when stand was thinned.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		90	Log	12	69	Red Maple	
Black/Red (Hybrid) Oak		10	Log	14		Northern Pin Oak	
						Density	
						Avg. Height	
						Size	
						Sapling	

56	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	12.8	11	Immature	N/A	Autumn olive and scrub cherry. Planted to red pine 2008. Replanted to red pine 20011. FTP completion report C73-743-Replant 2011.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		70	Sapling	2	11	Autumn Olive	
Red Maple		10	Sapling	2		Honeysuckle (spp.)	
Black Cherry		10	Pole	8		Density	
Black/Red (Hybrid) Oak		10	Sapling	3		Avg. Height	
						Size	
						Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57 500 - Water Nonstocked 1.4 No

59 4126 - White, Black, N. Pin Oak Sawtimber Medium 8.1 102 51-80 N/A On slope above county road. Hill climb area, trails up and down slope. O3 understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	10		Red Maple	Low	Variable	Sapling
White Oak	30	Log	12		Northern Pin Oak	Medium	Variable	Sapling
Northern Pin Oak	60	Log	14	102	Red Pine	Low	Variable	Sapling

60 42111 - Planted Red Pine, Mixed Deciduous Sapling Well 10.3 14 Immature N/A Planted to red pine 2008.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	80	Sapling	2	14
Black Cherry	3	Pole/Log	9	
Black/Red (Hybrid) Oak	10	Sapling	2	
Red Maple	7	Sapling	2	

61 4125 - Black, N. Pin Oak Sapling Well 14.5 16 Immature N/A Clearcut 2007, good oak regeneration, hilly, roads all over the place.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	16
Bigtooth Aspen	20	Sapling	2	16
Northern Pin Oak	60	Sapling	2	16

62 42110 - Planted Red Pine Sapling Well 18.3 12 Immature N/A Clearcut and replanted to red pine in 2010

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	2	
Red Pine	93	Sapling	3	12
Quaking Aspen	2	Sapling	2	

63 4310 - Pine, Oak Mix Sapling Well 21.1 17 Immature N/A Clearcut and replanted to red pine in 2006.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	30	Sapling	1	17
Quaking Aspen	15	Sapling	2	17
Red Pine	45	Sapling	2	17
Red Maple	10	Sapling	1	17

64 4112 - Maple, Beech, Cherry Association Poletimber Well 4.6 36 81-110 N/A Aspen stand, clearcut 1987.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	80	Pole	5	36	Red Maple	High	Variable	Sapling
Bigtooth Aspen	1	Pole/Log	9	36	Aspen (spp.)	Low	Variable	Sapling
White Oak	8	Log	16	63				
Black/Red (Hybrid) Oak	11	Log/Pole	11	63				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
65	42110 - Planted Red Pine	Sawtimber Well	51.5	69	201+	N/A	Red pine plantaion. Row thinned in 1987, second thinning in 2006.																																																												
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66	6224 - Treed Bog	Nonstocked	7.4			No	Low wet bog type sparse tamarack, spruce and fir. Adjacent to Curry Lake.																																																												
67	4131 - Aspen, Oak	Sawtimber Well	78.9	55	111-140	N/A	Cut in 1968. Some residual oak and maple left. Much of the stand is upland with a few lowland pockets. Good growth form on most stems.																																																												
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68	4125 - Black, N. Pin Oak	Sapling Well	72.0	16	Immature	N/A	Oak clearcut in 2007. Good oak/mix regeneration less than 10 BA/AC mature oak trees left.																																																												
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69	4125 - Black, N. Pin Oak	Poletimber Well	45.0	25	1-50	N/A	6" DBH spec clearcut in 1998. 20 BA/AC of 6" DBH oak was left. Overall stand is doing well O4/O3																																																												
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70	6220 - Alder/willow	Nonstocked	3.2			No																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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71 42111 - Planted Red Pine, Mixed Deciduous Sapling Well 51.9 13 Immature N/A Clearcut and planted to red pine in 2009. Red pine is growing well.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	14	Sapling	2	
Black Cherry	5	Sapling	1	
Red Pine	67	Sapling	2	13
Red Maple	10	Sapling	2	
Jack Pine	3	Sapling	2	
Paper Birch	1	Sapling	1	

72 500 - Water Nonstocked 2.6 No Currey Lake

73 6120 - Lowland Cedar Poletimber Well 28.1 113 81-110 N/A Cedar/Q type very low and wet, mucky soils.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	15	Pole	6		Ash (spp.)	Low	Variable	Sapling
Tamarack	15	Pole	6		Black Spruce	Medium	Variable	Sapling
Balsam Fir	15	Pole	6		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	55	Pole	6	113	Balsam Fir	Medium	Variable	Sapling

74 42110 - Planted Red Pine Sawtimber Well 4.9 69 111-140 N/A Small red pine stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	10	Log	16		Red Maple	Low	Variable	Sapling
Red Pine	90	Log	13	69	Oak (spp.)	Medium	Variable	Sapling
					Aspen (spp.)	Low	Variable	Sapling

75 4199 - Other Mixed Upland Deciduous Sawtimber Well 39.7 70 81-110 N/A Stand is wet in places, scattered wet pot holes.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	4	Pole	6		Oak (spp.)	Low	Variable	Sapling
Black Cherry	10	Log/Pole	11		Aspen (spp.)	Medium	Variable	Sapling
Red Pine	1	Log/Pole	10		Red Pine	Trace	Variable	Sapling
Red Maple	45	Log/Pole	10	70	Red Maple	Medium	Variable	Sapling
White Oak	10	Log/Pole	11		White Pine	Low	Variable	Sapling
Quaking Aspen	10	Pole	8		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Log/Pole	11					
White Pine	10	Log	12					

76 6225 - Bog Nonstocked 1.4 No

77 6220 - Alder/willow Nonstocked 1.4 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
78	4119 - Mixed Northern Hardwoods	Poletimber Well	48.5	39	51-80	N/A	Seed tree harvest in 1984. Pretty much decided with past two inventory cycles to leave seed trees. Good cavity trees. Pockets were almost clearcut and other areas have higher oak residual BA/AC.																																										
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79	6229 - Mixed lowland shrub	Nonstocked	107.8		Immature	No	large lowland shrub area. Water fowl habitat.																																										
81	6120 - Lowland Cedar	Poletimber Well	54.1	113	81-110	N/A	Cedar/Q type very low and wet, mucky soils. Too wet for commercial harvest.																																										
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82	6123 - Lowland Fir	Poletimber Poor	8.6	50	81-110	N/A	In a depression, bog type ground cover.																																										
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83	4131 - Aspen, Oak	Sapling Well	22.5	16	Immature	N/A	Aspen clearcut 2007, nice regeneration.																																										
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84	6123 - Lowland Fir	Sapling Well	6.2	38	51-80	N/A	Habitat cut in Q type, heavy to balsam fir.																																										
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85	4126 - White, Black, N. Pin Oak	Poletimber Well	25.5	67	51-80	N/A	Cut in 1961																																											
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86	4131 - Aspen, Oak	Poletimber Well	20.7	36	81-110	N/A	All aspen and maple cut in 1987 about 30' - 40' BA/AC of oak residual was left. Pretty much decided with last two inventory cycles to leave the oak residual. Mature oak residual are good cavity/wildlife trees.																																											
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87	4126 - White, Black, N. Pin Oak	Sawtimber Poor	6.5	103	1-50	N/A	Steep hills, road is on top drops down on both sides. Over mature oak overstory. Lots happening in the understory. Oak and white pine regen all over the place 5' - 20' tall and starting to reach pole size. Manage for the understory. Overstory is low timber value and high wildlife value. ridge between two lowland types.																																											
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88	4130 - Aspen	Poletimber Well	8.4	36		N/A	Aspen clearcut 1987.																																											
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89	6225 - Bog	Nonstocked	8.0			No																																												
90	4131 - Aspen, Oak	Sawtimber Well	11.3	52	111-140	N/A	Casey Owens 02/23/2023 Good stem quality across all species. Between two clearcuts from last year of entry. Stand has some fairly steep ravines.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
91	4125 - Black, N. Pin Oak	Sapling Medium	22.6	26	Immature	N/A	Clear cut 1997. Stand has alot of oak in it that is coming along in size and growth.																																																															
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92	4126 - White, Black, N. Pin Oak	Sapling Well	16.3	25	Immature	N/A	Oak clear cut 1998.																																																															
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93	4126 - White, Black, N. Pin Oak	Sawtimber Well	5.2	104	51-80	N/A	Small oak stand that was left out of sale to the north, right along lowland type. Stand is regenerating naturally to oak. Great wildlife stand / BMP stand. Between upland managed area and large lowland complex.																																																															
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94	4199 - Other Mixed Upland Deciduous	Sapling Well	82.5	14	Immature	N/A	Clear cut between 2007 and 2012. Nice mix of regeneration. Areas of pure aspen areas of mixed oak/aspen/red maple. In the future may be able to type some of these areas out however, it is pretty mixed.																																																															
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95	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	8.7	123	51-80	N/A	Very wet, to wet for commercial harvest. Small diameter sparse timber, blow down, lots of diversity.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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96 3101 - Poverty Grass, Cladonia Nonstocked 4.2 No Old township dump.

97 4319 - Mixed Upland Forest Poletimber Poor 26.6 53 81-110 N/A Island of timber surrounded by large lowland marsh system. A lot of blowdown in the center of the island

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Pole/Log	9		Balsam Fir	High	Variable	Sapling
Balsam Fir	40	Pole	6	53	Deciduous Saplings	Low	Variable	Sapling
Quaking Aspen	10	Pole/Log	9		Deciduous Shrubs	Low	< 5 feet	Tall Shrub
Northern Pin Oak	10	Pole	6					
Northern White Cedar	5	Pole	6					
Red Maple	20	Pole	6					
Tamarack	5	Pole	6					

98 4122 - Oak, Pine Sawtimber Well 13.0 100 81-110 N/A Oak / white pine stand, small stand between large clearcut to the north and a lowland marsh complex to the south. Very dense white pine sap/pole understory. Removing mixed oak would set back the white pine. Leave stand as natural buffer between clearcut and large swamp. Also visual buffer along Lake Station Ave.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	40	Log	10	100	Oak (spp.)	Medium	5 - 10 feet	Sapling
Northern Pin Oak	20	Log	10	100	Deciduous Shrubs	Medium	5 - 10 feet	Tall Shrub
White Pine	40	Pole/Log	9	45	White Pine	Full	Variable	Sapling

99 6239 - Mixed Emergent Wetland Nonstocked 257.1 No Large marsh complex, areas of tag alder, cattails, dogwood. Two creeks bi-sect stand.

100 3102 - Grass Nonstocked 3.6 No Scattered pin cherry.

101 4130 - Aspen Sawtimber Well 44.4 47 111-140 N/A Access is issue with this stand. Only access through state land would require a bridge (creekl is 20' bank to bank). Access through private is possible.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	15		Balsam Fir	High	Variable	Sapling
Black/Red (Hybrid) Oak	5	Log	15		White Oak	Medium	10 - 20 feet	Sapling
Red Maple	5	Pole	8	47	White Pine	Low	Variable	Sapling
Bigtooth Aspen	68	Log	12	47	Red Maple	High	Variable	Sapling
Balsam Fir	10	Pole	6		Aspen (spp.)	High	Variable	Sapling
Paper Birch	5	Pole	6					
White Pine	2	Pole/Log	9					

102 4122 - Oak, Pine Sawtimber Medium 6.5 98 1-50 N/A Shelterwood harvest in 2008. O3/W3 in the understory. Fair amount of white pine in this stand. Visual concerns with this stand, small stand along Lake Station Ave.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	30	Pole/Log	9	40	Aspen (spp.)	Low	Variable	Sapling
White Oak	20	Log	10	98	White Oak	Medium	Variable	Sapling
Northern Pin Oak	50	Log	13	98	White Pine	High	Variable	Sapling
					Northern Pin Oak	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103 500 - Water Nonstocked 1.9 No Part of Three Lake Creek

104 4130 - Aspen Sapling Well 19.0 26 81-110 N/A Clear cut 1997.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Sapling/Pole	4	26
Bigtooth Aspen	50	Sapling/Pole	4	26
Quaking Aspen	35	Sapling/Pole	4	26
Red Maple	5	Sapling/Pole	4	26

105 3102 - Grass Nonstocked 5.2 No Old twp. dump. Garfield twp. transfer station.

106 4130 - Aspen Sapling Well 5.2 36 N/A Access is concern with this stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	4	36
Bigtooth Aspen	30	Sapling/Pole	4	36
Northern Pin Oak	10	Sapling	3	36
Quaking Aspen	50	Sapling/Pole	4	36

Sub-Canopy Species	Density	Avg. Height	Size
Aspen (spp.)	Full	Variable	Sapling
Oak (spp.)	Medium	Variable	Sapling
Red Maple	Medium	Variable	Sapling

107 42200 - Natural White Pine Sawtimber Medium 22.8 61 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	25	Log	14	89
White Pine	69	Log	14	61
Red Pine	5	Log	14	
White Oak	1	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Choke Cherry	Low	5 - 10 feet	Sapling
White Pine	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	Medium	>20 feet	Sapling
Red Oak	Medium	< 5 feet	Sapling

Didn't see a lot of oak seedlings. Ground cover bracken. Dense aspen regen in about 30% of stand. There are also clearings and areas of dense pole sized trees. Trace of red pine, black cherry, and balsam fir in understory.

108 4136 - Aspen, Mixed Conifer Sapling Well 38.3 10 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log/Pole	12	63
White Pine	10	Log/Pole	12	
Paper Birch	3	Pole/Log	9	
Red Pine	6	Log/Pole	12	
Red Maple	15	Sapling	1	
Bigtooth Aspen	48	Sapling	1	10
Balsam Fir	8	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	Tall Shrub

Access across small creek and drainage that runs from Lake tahoe to stand 1 will be difficult to cross, so use 2-track in stand 6 to South, therefore will have 2 landings. Adjacent to Lake Tahoe homes: leave pine, oak for visual and mast.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	6120 - Lowland Cedar	Poletimber Well	15.0	117		N/A	Heavy blowdown in stand
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		50	Pole/Sap/Log	6	117	Northern White Cedar	
Black Ash		14	Pole/Sapling	6	117	Balsam Fir	
Red Maple		9	Pole/Sapling	7	117	Density	
Balsam Fir		18	Sapling/Pole	4	117	Avg. Height	
Black Spruce		6	Pole/Sapling	5	117	Size	
Paper Birch		3	Pole	8	117		
110	622 - Lowland Shrub	Nonstocked	11.0			No	Tag alder: Creek through North edge. 5% trees. Catail swamp
111	6120 - Lowland Cedar	Poletimber Medium	33.2	120	111-140	N/A	Some blowdown w/ fir seeding into gaps. Ground cover swamp grass, forbs, ferns (assorted). Some small upland knobs toward S end.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		2	Pole	7		Balsam Fir	
Balsam Fir		18	Pole/Sapling	7		Density	
Yellow Birch		2	Pole	8		Avg. Height	
Red Maple		13	Pole	7		Size	
Northern White Cedar		56	Pole/Log	8	120		
Hemlock		9	Pole	8			
112	4130 - Aspen	Sawtimber Well	30.4	40	111-140	N/A	Slightly heavier to fir, maple, oak at S end. Good stand. Adjacent to Lake Tahoe homes.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		77	Log	10	40	Balsam Fir	
Red Maple		12	Pole	9		Red Maple	
Balsam Fir		5	Pole/Sapling	5		White Pine	
Black/Red (Hybrid) Oak		6	Pole/Log	8		Black Cherry	
						Density	
						Avg. Height	
						Size	
113	622 - Lowland Shrub	Nonstocked	22.0			No	Tag alder- dense and continuous. Doc and Tom Creek runs through SE end.
114	6113 - Lowland Maple	Sawtimber Poor	6.9	45	1-50	N/A	Lowland brush has succeeded to forest in this stand, formerly part of stand 2 and 7, this stand is very wet and mucky. should be unmanaged
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		68	Log/Pole	10	45	Tag Alder	
Paper Birch		32	Pole	6	45	Balsam Fir	
						Density	
						Avg. Height	
						Size	
115	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	92.1	92		N/A	Heavy blowdown. Very wet stand with deep muck. Trace of birch.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		44	Pole/Sapling	7	92	Black Ash	
Northern White Cedar		56	Pole	8	92	Tag Alder	
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
116	6225 - Bog	Nonstocked	1.0			No																																																
117	623 - Emergent Wetland	Nonstocked	4.3		Immature	No	Nearly pure, dense, continuous marxh grass with few cedar, ash, fir.																																															
118	622 - Lowland Shrub	Nonstocked	29.1			No	Doc and Tom Crk runs through stand. Very low and wet: Alder, willow and marsh grass. 5-10% maple, black ash and swamp conifers.																																															
119	4139 - Aspen, Mixed Deciduous	Sawtimber Medium	12.2	50	81-110	N/A	Sparse stand in places with low volume and still good vigor. Not worth dealing with subdivision for. About 5% low areas. Trace of red pine.																																															
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120	623 - Emergent Wetland	Nonstocked	9.4			No	20% TA and willow. Rest (80%) marsh grass and cattails. Not very wet.																																															
121	4199 - Other Mixed Upland Deciduous	Poletimber Well	10.4	52	111-140	N/A	Not an aspen stand: manage as upland M type: either clearcut when diameters are larger or put on selection system in future. Sparser at W end. Trace of red pine, white pine, hemlock, cedar, red oak. 5-10% shallow depressions with moss, blueberry.																																															
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122	4199 - Other Mixed Upland Deciduous	Poletimber Medium	18.2	54	111-140	N/A	Few acres of scattered G type (fern). Formerly G but has succeeded to forest.																																															
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125	3102 - Grass	Nonstocked	2.3			No	20-25% grass. 5-10% oak, cherry, aspen, fir.																																																						
126	622 - Lowland Shrub	Nonstocked	2.8			No	Willow about 10 ft tall.																																																						
127	3102 - Grass	Nonstocked	61.2		Immature	No	Very open stand Jack Pine, Tag Alder, and some Aspen in small pockets.																																																						
129	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.3	50	111-140	N/A	Wet small stand, good diversity.																																																						
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130	6225 - Bog	Nonstocked	20.4			No	Pure, continuous leatherleaf-blueberry bog.																																																						
131	6225 - Bog	Nonstocked	22.6			No	Very diverse mosaic of L, V, G, Bradcken, clumps of A, M, B, Tam.																																																						
132	622 - Lowland Shrub	Nonstocked	12.2			No	Alder/willow. N 1/3 drier with quite tall alder, succeeding to forest.																																																						
133	4130 - Aspen	Poletimber Well	8.5	25	81-110	N/A	"Thinned" in 1994 heavy. Dense aspen/maple and some oak. Resid stand not worth harvesting: about 30 BA and would damage newlargest of trees are about 80, then 50 years old																																																						
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134	4139 - Aspen, Mixed Deciduous	Sapling Medium	6.5	30	51-80	N/A																																																			
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136	6112 - Lowland Aspen	Poletimber Well	20.7	30	81-110	N/A	Formerly part of stand 19/119. Much of the stand is lowland. wetland species over much of the stand in patches.																																																		
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137	622 - Lowland Shrub	Nonstocked	1.6			No	Diverse lowland: Alder/willow with few trees; 30-40% bog.																																																		
138	6121 - Tamarack	Poletimber Poor	8.3	130	51-80	N/A	Casey Owens 02/27/2023 sparse wet stand still thin from ash falling out of stand																																																		
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139	6225 - Bog	Nonstocked	5.0			No	Bog, nearly treed with tamarack and birch. L @ NE end.																																																		
140	4130 - Aspen	Poletimber Well	9.0	45		N/A	Casey Owens 03/07/2023 Hold until the next YOY to even out Aspen size. On the hill south finger beavers have cut all the Aspen down leaving an interesting oak, birch stand. Aspen growing well but with a lot of variation in diameter. Nearly pure, upland aspen. SI seems little higher than. Merchantable: Could early harvest but better to hold to rotation. Would have to access from private. Road directly to stand from campground via property to N. Trace of red pine and black oak and black spruce, red pine and black oak.																																																		
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141	4125 - Black, N. Pin Oak	Sawtimber Well	12.6	105	81-110	N/A	Mud Lake Campground in stand. 1 ac clearing in campsite, and small portion of L type north of campground with a large beaver presence increasing the size of the L type. The Green Pine Pathway goes through stand also. Trace of red pine, and hemlock																																																				
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142	3102 - Grass	Nonstocked	1.9			Managed Opening	Maintained opening. Good stand of what or oats, fair to good density. Tread of Green Pine pathway was destroyed when grain was planted: tough to follow pathway or to hike on.																																																				
143	4130 - Aspen	Poletimber Well	52.8	30	81-110	N/A	Good aspen regen. Green Pine Pathway goes through E and W ends of stand. Good SI 70 from Pi																																																				
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144	6225 - Bog	Nonstocked	3.6			No	Bog w/ tamarack, spruce/fir, wh pine coming in.																																																				
145	622 - Lowland Shrub	Nonstocked	8.3			No	N 1/4 is L. Bog, nearly treed with Tamarack, White pine, etc																																																				
146	4130 - Aspen	Poletimber Well	79.5	49	81-110	N/A	Casey Owens 03/08/2023 Stand is okay multiple wet pockets it is on the small size. It could be harvested if need be. SI of 70 seems right: good stand. Will reach sawlog size in 10 yrs. No '99 green sheet. Trace of red maple and pin oak.																																																				
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147	6132 - Mixed Lowland Forest with Cedar	Sapling Poor	19.5	130		N/A	Sparce wet stand very little cover.																																																				
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148	622 - Lowland Shrub	Nonstocked	2.8			No																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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149 4130 - Aspen Sawtimber Well 20.6 57 111-140 N/A This stand is mostly upland with some lowland vernal ponds. It is ready for harvest this year of entry.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log/Pole	11	57
Paper Birch	2	Pole	8	57
Red Pine	1	XLog/Log	18	
Bigtooth Aspen	66	Log/Pole	11	57
Red Maple	26	Pole/Log	9	57

150 6120 - Lowland Cedar Poletimber Medium 18.5 95 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	22	Sapling/Pole	4	95	Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole	9	95	Michigan Holly	Medium	5 - 10 feet	Tall Shrub
Black Spruce	5	Sapling/Pole	4	95				
Tamarack	12	Sapling/Pole	4	95				
Northern White Cedar	56	Pole/Sapling	5	95				

151 6225 - Bog Nonstocked 6.9 No Bog. Treed with white pine on the edges.

152 4130 - Aspen Sapling Medium 29.4 20 Immature N/A Clearcut about 2003 (no record), Adams Poplar oak #31-01. Good regen. Oak being browsed more heavily, and is getting hit by mites and leaf tips are necrotic. Berm at NW end is holding.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Sapling	1	
Black/Red (Hybrid) Oak	6	Sapling	1	
Bigtooth Aspen	86	Sapling	1	20

153 4130 - Aspen Sapling Poor 19.1 12 Immature N/A Portion of former st 65 (now 40) not harvested with st 41. Some nice aspen sawlogs and good maple understory. Good access off Brown's road.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	19	Sapling	1	12	White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	80	Sapling	1	12	Balsam Fir	Low	5 - 10 feet	Sapling
Red Pine	1	XLog	22		Red Pine	Trace	< 5 feet	Sapling

154 6220 - Alder/willow Nonstocked 6.5 No Mature tag alder with moss hummocks. Maple, ash on edges and scattered.

155 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 13.1 50 141-170 N/A mostly a cedar balisum swamp with two upland hills where the aspen comes in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	34	Log/Pole	10	105	Red Maple	Low	10 - 20 feet	Sapling
Red Maple	10	Pole	6	50	Balsam Fir	High	Variable	Sapling
Paper Birch	10	Pole/Log	9	60				
Balsam Fir	37	Pole	5	50				
Quaking Aspen	9	Log	12	45				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
156	4130 - Aspen	Sawtimber Well	17.3	48	111-140	N/A	Casey Owens 02/27/2023 Good stand growth many small stems mixed in with good sized stems. Access is an issue I have the contact to the landowner to the west of stand, they are very happy to help.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		3	Pole	6	48	Red Maple	Low	>20 feet	Sapling
Red Pine		4	Log	12	48	Red Pine	Low	>20 feet	Sapling
Bigtooth Aspen		93	Log	11	48				
157	6113 - Lowland Maple	Poletimber Medium	8.0	48		N/A	Casey Owens 03/02/2023 very mucky stand, much like the other wetland stands around Big Mud Lake. Eclectic stand w/ range of sizes and range of soils, from upland ridges to hummocky ground in NE to very wet swales drianing into lake. Inoperable portion of former OI stand 25.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		84	Pole/Log/Sap	8	48	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Paper Birch		3	Pole	7	48				
Quaking Aspen		3	Pole/Log	8	48				
White Pine		10	Pole	5					
158	622 - Lowland Shrub	Nonstocked	11.1			No	Deep muck and lot of moss, alder, scattered cedar, ash. Some mixed deciduous at south end.		
159	6225 - Bog	Nonstocked	11.7			No	Tag alder at far S end.		
160	6120 - Lowland Cedar	Poletimber Poor	51.2	99		N/A	Very wet: Deep muck even in dry season. Fair amount of blowdown. Dense alder and dogwood understory. Extremely difficult to walk through.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling/Pole	4	99	Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir		27	Pole	5	99	Tag Alder	High	10 - 20 feet	Tall Shrub
Eastern Red Cedar		60	Pole	6	99	Black Ash	Low	10 - 20 feet	Sapling
Paper Birch		3	Pole	5	99	Balsam Fir	Low	5 - 10 feet	Sapling
						Dogwood (spp.)	Low	10 - 20 feet	Tall Shrub
161	6225 - Bog	Nonstocked	2.1			No	Leathernleaf bog with scattered tamarack seedlings. Highbush blueberry on edges and scattered.		
162	42340 - Upland Spruce/Fir	Poletimber Well	6.2	40	81-110	N/A	heavy balusm spruce stand, no economic value		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		50	Pole	8	40	Balsam Fir	High	10 - 20 feet	Sapling
Black Spruce		10	Pole	7					
Black/Red (Hybrid) Oak		10	Pole	8	90				
Paper Birch		20	Pole	8	90				
Red Maple		10	Pole	8	90				
163	4130 - Aspen	Sapling Well	45.1	12	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		30	Sapling	1	12				
Quaking Aspen		70	Sapling	1	12				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
164	6225 - Bog	Nonstocked	3.2			No	Almost 10% tree cover: tamarack (80%), Blk spruce (5%), birch (15%).

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
165	4199 - Other Mixed Upland Deciduous	Sawtimber Well	25.3	56	111-140	N/A	Casey Owens stand is ready to be clearcut. some small hills and valleys noting of concern.																																					
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166	3102 - Grass	Nonstocked	2.7			No	Bracken with scattered paper birch, oak, cherry, red pine seeding in.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
167	4119 - Mixed Northern Hardwoods	Poletimber Medium	6.9	23	Immature	N/A	Portion of former stand 27, current stand 64, not harvested in 2000. 60-75% upland. Beaver activity in low areas. Buffer left when adjacent stand 64 was clearcut.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>7</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>White Oak</td> <td>4</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>71</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	7	Sapling	2	23	White Oak	4	Sapling	2		White Pine	3	Sapling	1		Quaking Aspen	5	Sapling	3		Northern White Cedar	5	Pole/Sapling	5		Paper Birch	5	Pole	6		Red Maple	71	Sapling	2	23					
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Paper Birch	5	Pole	6																																											
Red Maple	71	Sapling	2	23																																										

168	6225 - Bog	Nonstocked	5.0			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
169	42210 - Natural Red Pine	Sawtimber Well	18.8	80	111-140	N/A	Casey Owens 02/27/2023 The red pine is naturally grown and hasn't self-pruned well. the Aspen is falling out and the maple is low quality.																																										
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Canopy Species	% Cover	Size Class	DBH	Age																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
170	4130 - Aspen	Poletimber Well	28.4	23	81-110	N/A	Casey Owens 03/02/2023 stand growing well still young. illegal trail is being maintained throughout stand.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
171	3102 - Grass	Nonstocked	7.9			No	Almost 50% bracken, sweet fern and raspberry.
172	4130 - Aspen	Sapling Well	13.8	23		N/A	Clearcut 2000: Mud Lake Harvest #15-'00. Dense regen except 2 vernal ponds.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Quaking Aspen	90	Sapling	1	23	
		Red Maple	10	Sapling	1	23	
173	622 - Lowland Shrub	Nonstocked	4.4			No	Wet meadow: continuous.
174	4199 - Other Mixed Upland Deciduous	Sawtimber Well	18.2	53	81-110	N/A	Would be upland red map/aspen if there was code for it. Wetter in portions, less accessible and more diverse than.
		Canopy Species	% Cover	Size Class	DBH	Age	
		White Oak	2	Log	14	90	
		Red Maple	50	Pole/Log	9	53	
		Paper Birch	4	Pole	7	53	
		Quaking Aspen	37	Log/Pole	11	53	
		Black/Red (Hybrid) Oak	3	Log	15	90	
		Northern Pin Oak	4	Pole/Log/Sap	8	90	
		Sub-Canopy Species	Density	Avg. Height	Size		
		Red Maple	Medium	>20 feet	Sapling		
		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling		
		Tag Alder	Low	10 - 20 feet	Tall Shrub		
		Quaking Aspen	Medium	>20 feet	Sapling		
		Balsam Fir	Low	5 - 10 feet	Sapling		
		White Oak	Low	5 - 10 feet	Sapling		
175	6120 - Lowland Cedar	Poletimber Medium	11.5	70		N/A	Ground cov moss on deadfall, muck, swamp grass, sensitive and other ferns. Trace of pin oak in understory.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Northern Pin Oak	2	Pole	7	70	
		Black Spruce	9	Pole/Sapling	6	70	
		Eastern Red Cedar	57	Pole/Log/Sap	7	70	
		Balsam Fir	12	Sapling/Pole	4	70	
		Red Maple	20	Pole/Log/Sap	7	70	
		Sub-Canopy Species	Density	Avg. Height	Size		
		Balsam Fir	Medium	5 - 10 feet	Sapling		
		Tag Alder	Medium	10 - 20 feet	Tall Shrub		
		Red Maple	Medium	5 - 10 feet	Sapling		
176	4199 - Other Mixed Upland Deciduous	Sawtimber Well	14.6	105	111-140	N/A	Large canopy at 100 years old comprised of Red Oak, White Oak, Hemlock, White Pine, and Red Pine. With a small canopy at 50 years old comprised of Aspen, and Red Maple. The subcanopy is all about 50 to 40 years of age to medium low density.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Pine	2	Log/XLog	17	100	
		Red Maple	15	Log/Pole	12	50	
		White Pine	2	Log	15	105	
		Red Oak	28	XLog	25	105	
		White Oak	25	XLog	23	105	
		Bigtooth Aspen	25	Log/Pole	13	50	
		Hemlock	3	Log	15	100	
		Sub-Canopy Species	Density	Avg. Height	Size		
		Red Maple	Medium	>20 feet	Pole		
		Red Oak	Low	>20 feet	Sapling		
		Beech	Trace	10 - 20 feet	Sapling		
		Autumn Olive	Low	5 - 10 feet	Tall Shrub		
		White Oak	Low	>20 feet	Sapling		
		White Pine	Low	Variable	Sapling		
177	6225 - Bog	Nonstocked	7.1			No	Bog. Some alder at S end. Clear from aerial photo.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
178	6120 - Lowland Cedar	Poletimber Medium	26.9	107		N/A	Sparser trees; closer to L at E end. Not as wet as st 63, wetter than stand 101. Hummocks of moss. Trace of quaking aspen.																																		
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179	6120 - Lowland Cedar	Poletimber Poor	5.3	100		N/A	Light mortality in ash. Deep black muck, sphagnum moss, swamp grass and forbs.																																		
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180	4130 - Aspen	Sawtimber Well	50.2	31	111-140	N/A	Good, dense regen beginning to self-thin. Larger diameter in the southern half of stand. Although, age and species composition are the same throughout.																																		
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181	3301 - Low Density Deciduous Trees	Nonstocked	14.6			No	15-20% cover. 60% cherry, 30% autumn olive, 10% rm, trace of jack pine. Good habitat: saw deer and turkey. Ground cover grass, sedge, bracken and forbs.																																		
182	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	22.4	130		N/A																																			
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183	4124 - Red with White Oak	Sawtimber Poor	17.2	105	1-50	N/A	Shelterwood 2006, Adams Poplar Oak. Light regen to date. Oak has moderate amt of browse. Moderate amt of seedlings that haven't reached breast ht. Moderately dense bracken cover.																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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184 4124 - Red with White Oak Sawtimber Medium 37.7 104 51-80 N/A Selection harvested 2003, Adams Poplar Oak 31- 01. Really a shelterwood: Good aspen and maple sprouting in places. Lot of oak seedlings but DBH

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log	14		Ironwood	Medium	>20 feet	Sapling
Red Oak	54	Log/XLog	17	104	Red Maple	Medium	5 - 10 feet	Sapling
White Pine	1	XLog	26		Red Oak	Low	< 5 feet	Sapling
White Oak	30	XLog/Log	18	104	White Oak	Low	< 5 feet	Sapling
					White Pine	Trace	Variable	Sapling
					Bigtooth Aspen	Medium	5 - 10 feet	Sapling

185 622 - Lowland Shrub Nonstocked 4.0 No Tag alder and probably dogwood and marsh grass. Few trees at west end.

186 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 6.0 115 111-140 N/A Very wet stand, lot of blow down

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	9	Pole	8		Eastern Red Cedar	Low	5 - 10 feet	Sapling
White Pine	2	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	25	Log/Pole	13	115	Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	21	Pole	9	115				
Paper Birch	3	Pole/Sapling	7	115				
Eastern Red Cedar	40	Log/Pole	12	115				

187 4139 - Aspen, Mixed Deciduous Sawtimber Medium 5.1 45 111-140 N/A Case Owens 02/27/2023 Small, mid to good quality stand. Stand is on a small, 1 to 3, degree slope from aspen stand in north to wetland south of stand. I would manage with stand to the north from this YOE onwards.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	15	80	Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	42	Log/Pole	13	45	White Oak	Low	>20 feet	Sapling
Black Cherry	1	Log/Pole	13		Black Oak	Low	10 - 20 feet	Sapling
Paper Birch	5	Pole/Log	9	80				
Northern Pin Oak	8	Log/Pole	10	80				
Northern White Cedar	2	Pole	7					
Red Maple	37	Log/Pole	11					

188 4130 - Aspen Sapling Well 34.3 11 Immature N/A Case Owens 02/27/2023 Growing well, mix of upland and lowland pockets.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	21	Sapling	1	11
Black Cherry	2	Pole	8	59
Red Maple	15	Sapling	1	11
Quaking Aspen	60	Sapling	1	11
Black/Red (Hybrid) Oak	2	Pole/Sapling	6	59

Final harvest. Dormant season NON-NEGOTIABLE due to fair vigor of aspen. Use 4" spec on maple and do not cut oak (just reaching mast producing size), cherry or birch. Make not in managers notes in sale that logger can cut as much maple saps as needed for access, but does not HAVE to cut maple saps. This is to push stand more toward maple which has higher SI in stand. mark out a couple small vernal ponds: incorporate into retention.

Tim Gallagher 2/2014: Cut 1/2014 Hunt Camp Mix 73-003-11-01.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
189	6225 - Bog	Nonstocked	2.0			No	

190	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Poor	11.4	105	1-50	N/A	Casey Owens 02/27/2023 30 BA on average, noting to address this YOE. Very advanced white pine subcanopy. Maple, and oak are growing well and dense after cut in 2014. Next YOE evaluate if WP will reach canopy stage. pine is growing well, oak and maple less so.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1	Log	13	
Red Oak	18	XLog	18	105
White Oak	10	XLog	18	105
White Pine	69	Log	11	105
Red Maple	2	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
White Pine	High	>20 feet	Sapling
White Oak	Low	5 - 10 feet	Sapling

No green sheet from 1999. More oak in stand than plots show. Fairly good maple, wh pine, oak regen.
Final harvest: Do not cut white pine (put in specs) but don't use regen protection spec either. Mark 20 BA red and wh pine for mast and retention. Will knock back maple regen a bit and favor oak a little. Protect tread of Green Pine Pathway and focus some retention in viewshed of trail.

Tim Gallagher 2/2014: Cut 1/2014 Hunt Camp Mix 73-003-11-01.

191	623 - Emergent Wetland	Nonstocked	70.4			No	Tag alder and willow over swamp grass and iris, scattered ash and maple.
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192	4119 - Mixed Northern Hardwoods	Sawtimber Well	3.6	82	141-170	N/A	good mix of species, good quality stems. strong understory to take over
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	59	Log/Pole	12	82
Beech	3	Log	10	
Red Oak	11	XLog	19	
Paper Birch	11	Log	10	
Basswood	2	Log	13	
Eastern Red Cedar	10	Pole	7	
White Pine	4	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	>20 feet	Sapling
White Pine	Medium	Variable	Sapling
Red Maple	Low	>20 feet	Sapling

193	4130 - Aspen	Poletimber Medium	2.2	70		N/A	10% lowland brush. NO ACCESS: Wold have to be through private and no road: small stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	7	70
Bigtooth Aspen	75	Log	13	70
Red Pine	10	Pole/Log	10	70
Black/Red (Hybrid) Oak	5	Pole/Sapling	8	70

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	10 - 20 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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194 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 6.6 115 1-50 N/A this is a unmanageable stand due to the stand being a lowland fir marsh. With very few steams over 2inch dbh

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	34	Pole/Log/Sap	8	115	Balsam Fir	High	5 - 10 feet	Sapling
Red Maple	22	Pole/Sapling	6	115	Tag Alder	High	10 - 20 feet	Tall Shrub
Paper Birch	6	Pole	5	115				
Black Spruce	4	Sapling/Pole	4	115				
Balsam Fir	30	Sapling/Pole	3	115				
Quaking Aspen	4	Pole/Sapling	5	115				

195 4123 - Red Oak Sapling Well 50.8 16 Immature N/A No green sheet for this stand from '99. Clearcut 2006: Adams Poplar Oak, Red oak browsed heavily: has reduced density of new stand noticeably. Stand has regenerated. Ground cov bracken, sedge, sweet fern. SI 63 . Trace of Jack pine, white pine and black spruce.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	16
Red Oak	73	Sapling	1	16
White Oak	10	Sapling	1	16
Black Cherry	7	Sapling	1	16

196 6118 - Lowland Deciduous with Cedar Sawtimber Poor 13.3 80 51-80 N/A Trace of fir in understory, elm and black cherry in overstory.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Log/Pole	10	
Red Maple	41	Log/Pole	11	80
Quaking Aspen	24	Log/XLog	14	
Northern White Cedar	20	Log/Pole	11	80

197 622 - Lowland Shrub Nonstocked 3.0 No Alder, willow

198 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 4.0 85 1-50 N/A Trace of birch, cedar, tamarack.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Eastern Red Cedar	18	Pole	7		Dogwood (spp.)	Low	10 - 20 feet	Tall Shrub
Tamarack	25	Pole	5		Tag Alder	High	10 - 20 feet	Tall Shrub
Red Maple	35	Pole	5	85				
Balsam Fir	22	Pole	5					

199 4119 - Mixed Northern Hardwoods Sapling Poor 5.5 11 51-80 N/A Casey Owens 02/20/2023small stand growing okay freshly harvest

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	7	Pole/Log	9	
Northern Pin Oak	6	Log/Pole	10	56
Red Maple	76	Sapling	1	11
White Oak	6	Log/Pole	10	56
Quaking Aspen	5	Sapling	1	11



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
200	622 - Lowland Shrub	Nonstocked	2.1			No	63% L, 22% G, 15% N; some bracken.																																													
201	622 - Lowland Shrub	Nonstocked	12.6			No	Alder, willow with 5-10% tamarack and birch																																													
202	4130 - Aspen	Sapling Poor	38.6	12	Immature	N/A																																														
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203	4119 - Mixed Northern Hardwoods	Sawtimber Well	31.2	80	111-140	N/A	Casey Owens 03/01/2023 Stand is growing well, the White Pine is growing well, Oak is high quality but in low quantity, and the Red Maple is okay but not quite good. White Pine in the north %20 of the stand and scattered single stems throughout. Aspen birch removed 20000 (mud lake harvest # 15-'00). Very little new regen, Formerly typed as multi storied so no age. Little bit of red oak seedlings up to 1 ft tall but sporadic and not yet viable. N end heavy to white pine and has small G opening and small bog. False cedar and maple viburnum present in ground cover. Far E end different soil with spruce/fir, black oak, wht pine, birch, red maple. Trace of black oak, black spruce and fir in overstory and sugar maple and red oak in understory.																																													
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204	42110 - Planted Red Pine	Sawtimber Well	22.4	60	111-140	N/A	Hardwoods removed apparently in 1989. heavy maple and some oak resprouting. Trace of red maple, black oak and black spruce. Green Pine Pathway through stand:																																													
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205	42110 - Planted Red Pine	Sawtimber Medium	9.4	67	141-170	N/A																																														
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206	4125 - Black, N. Pin Oak	Sawtimber Medium	5.9	111	51-80	N/A	25% lowland. Low volume, very poor access wet, private. Diverse, multi-storied stand. Trace of black cherry and cedar in overstory, quaking aspen in understory.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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207 6117 - Lowland Deciduous, Mixed Coniferous Sapling Poor 9.2 60 51-80 N/A 70 percent of this stand has standing water and is a cattail swamp.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	32	Sapling/Pole	4	60	Balsam Fir	Low	Variable	Sapling
Quaking Aspen	15	Log	10	60	White Pine	Low	Variable	Sapling
Paper Birch	15	Sapling/Pole	4		Paper Birch	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	5	Pole	6		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	20	Pole/Sapling	5		Tag Alder	High	10 - 20 feet	Tall Shrub
White Oak	5	Pole	6		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Black Cherry	8	Pole/Sapling	5					

208 4123 - Red Oak Sapling Well 29.9 24 Immature N/A Casey Owens 02/27/2027good regen, oak heavy along with maple.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	13	Sapling	2	24
Red Maple	34	Sapling	3	24
Red Oak	51	Sapling	2	24
Black Cherry	2	Sapling	2	24

209 4130 - Aspen Poletimber Well 10.8 39 141-170 N/A Dense maple clumps and a little more mesic in about 10% of stand. About 15% of stand is sparser with small openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	67	Log	11	39	Balsam Fir	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	17	Pole/Log	8		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Maple	13	Pole	6					

210 6120 - Lowland Cedar Poletimber Well 6.4 123 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	51	Pole	6	123	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black Spruce	12	Pole	5	123	Dogwood (spp.)	Medium	5 - 10 feet	Tall Shrub
Tamarack	20	Pole	7	123				
Red Maple	9	Pole	7	123				
Paper Birch	8	Pole	7	123				

211 6120 - Lowland Cedar Poletimber Poor 6.1 102 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	57	Pole/Sapling	7	102	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black Spruce	23	Pole/Sapling	5					
Balsam Fir	20	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
212	3102 - Grass	Nonstocked	12.7			Managed Opening	Pipeline clearing and road. Mostly grass, with bracken and forbs. Road is passable year - round through most of this stand, to sands 85 and 99, where there's a low area. This road permists access for fairly high level of littering asnd other abuses. One steep sand hill near stand 106 would be tough for trucks.																																																																
213	6120 - Lowland Cedar	Poletimber Medium	8.2	111		N/A	Later seral stage than most of the cedar stands in comp. Much heavier to cedar (C6), carpet of moss with mostly cinimmon/royal fern, only scattered pockets of alder. Muck not nearly as deep as other cedar stands. Little understory because saps also form part of canopy.																																																																
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Balsam Fir	Low	10 - 20 feet	Sapling																																																																				
214	4199 - Other Mixed Upland Deciduous	Sawtimber Well	5.6	82	81-110	N/A	No 99 green sheet. Private line posted 100 ft N on to state at South end. South grades to wetter. Trace of black cherry.																																																																
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215	622 - Lowland Shrub	Nonstocked	11.0			No	Alder, dogwood and winterberry over rushes, floating aquatic. Scattered trace of red maple, especially along edge.																																																																
216	3102 - Grass	Nonstocked	3.5			No	Bracken openland filling in with tree clumps consisting of mature cherry, maple or oak surrounded by dense regen.																																																																
217	42110 - Planted Red Pine	Sawtimber Well	7.1	64	141-170	N/A	Casey Owens, previous thin in stand was "patchy", some areas no to very few trees were harvested. and other areas a lot of trees were harvested. Creating a wide verity of stem diameters, 16 to 9 inch.																																																																
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218	3102 - Grass	Nonstocked	4.6			No	Nice meadow. Grass, swt fern and bracken, maybe some sedge.																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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219 4126 - White, Black, N. Pin Oak Sapling Well 34.0 9 Immature N/A Stand had shelterwood cut in 2014, oak regen is thick and growing well

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	30	Sapling	2	9	Red Oak	Low	Variable	Sapling
Black/Red (Hybrid) Oak	35	Sapling	2	9	White Pine	Low	Variable	Sapling
Red Maple	20	Sapling	1		White Oak	Medium	Variable	Sapling
White Pine	15	Log	12	63	Red Maple	Low	Variable	Sapling

220 3102 - Grass Nonstocked 23.4 Unspecified Managed Opening

221 6124 - Lowland Spruce-Fir Sapling Medium 8.7 37 1-50 N/A Clearcut 1982: slow recovery post harvest, spots have cattail swamps

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Sapling	3	37	Willow spp.	Low	5 - 10 feet	Tall Shrub
Tamarack	33	Sapling	2	37	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	31	Sapling	2	37	Black Spruce	Trace	Variable	Sapling
Black Spruce	32	Sapling	3	37	Tamarack	Trace	Variable	Sapling
White Pine	2	Sapling	1	37				

222 42110 - Planted Red Pine Sawtimber Well 1.7 64 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log	12	64

223 42210 - Natural Red Pine Sawtimber Poor 5.9 64 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Choke Cherry	5	Pole	9	64	White Oak	Low	10 - 20 feet	Sapling
Red Pine	93	Log	14	64	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Oak	2	Log/Pole	10	64				

224 4126 - White, Black, N. Pin Oak Sapling Well 23.2 10 Immature N/A Casey Owens 02/21/2023 oak is coming in heavy. I ignored the remaining 20 BA left over after last harvest to focus on regeneration. Many illegal trails throughout stand. No treatment this YOY.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	40	Sapling	1	10
White Pine	10	Sapling	1	
Red Maple	7	Sapling	1	
Red Pine	1	Pole	5	
White Oak	42	Sapling	1	10

Final harvest, leaving 20 BA for retention. Lot of dumping along line clearing road because of easy access: put on dump list and try to close some roads when cut.

Tim Gallagher 2/2014: Cut 1/2014 Hunt Camp Mix 73-003-11-01.

No grn sheet from '99. Shelterwood cut 1994. Good regen - even little better than st 107.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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225 4126 - White, Black, N. Pin Oak Sapling Poor 18.2 9 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	30	Sapling	1	9
Black/Red (Hybrid) Oak	32	Sapling	1	9
Red Maple	8	Sapling	1	9
White Pine	15	XLog	20	
Red Oak	15	Log	10	104

226 4139 - Aspen, Mixed Deciduous Sawtimber Well 95.2 45 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Log	8	45
Red Oak	2	Log	14	
White Oak	3	Log	10	
Bigtooth Aspen	51	Log	14	45
Black Cherry	5	Pole/Log	8	
Eastern Red Cedar	4	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
White Oak	Low	Variable	Sapling
Red Maple	High	>20 feet	Sapling
Red Oak	Low	Variable	Sapling

Casey Owens 01/24/2023
Very large stand that is mostly homogamous. Several wet pockets scattered throughout. Harvest next YOE with retention around the wet pockets. Stand should be split harvested, cutting the east half first then the west. to create a bigger variance in the landscape.

227 4131 - Aspen, Oak Sawtimber Medium 5.1 52 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	7	Log	12	
White Oak	18	Log/Pole	11	94
Paper Birch	3	Pole/Sapling	5	
Bigtooth Aspen	43	Log	12	52
Red Maple	24	Pole/Log	8	52
Red Oak	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling
White Oak	Low	Variable	Sapling

Casey Owens 02/23/2023
Decent quality stand, access is a little tricky with the stand to the north having low pockets that hold water along the trail into the stand.

228 42200 - Natural White Pine Sawtimber Well 28.4 60 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Pole	5	29
Red Oak	5	Pole	5	32
White Pine	90	Log	11	60

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling
White Oak	Medium	10 - 20 feet	Sapling
Red Oak	Medium	10 - 20 feet	Sapling

Hardwood was removed in '90 to release pine. 2 Storied. Very good oak regen under pine and in pine canopy gaps

229 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 135.9 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	9	Pole	6	85
Tamarack	15	Pole	6	85
Black Spruce	31	Pole	6	85
Northern White Cedar	43	Pole/Log	8	85
White Pine	2	Pole	8	85

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	10 - 20 feet	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	Low	10 - 20 feet	Sapling
Tamarack	Low	10 - 20 feet	Sapling

Most of larger cecar is declining, and some mortality. Larger black spruce has broom rust. No cedar regen, but sprc/fir and tamarack, especially



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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230 4131 - Aspen, Oak Sapling Well 5.0 27 Immature N/A Clearcut '95.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	6	Sapling	2	24	White Pine	Low	5 - 10 feet	Sapling
White Oak	7	Sapling	2	24	White Oak	Low	5 - 10 feet	Sapling
Choke Cherry	5	Sapling	3	24	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	73	Sapling	3	27	Red Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	7	Sapling	2	24				
White Pine	2	Sapling	3	24				

231 4126 - White, Black, N. Pin Oak Sapling Poor 31.0 11 1-50 N/A Casey Owens 01/24/2023
Growing okay, oak seems to be coming in slowly but is stocked.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	38	Sapling	1	11
Black/Red (Hybrid) Oak	50	Sapling	1	11
Red Maple	2	Sapling	1	11
Red Oak	10	Log	14	104

Shelterwood harvested about 2003: Adams Poplar oak #31-01. Not adequate regen to final harvest. Candidate for harvest/planting pine. I think preferable to hold was harvested only 6 years ago. Heavy bracken.

232 622 - Lowland Shrub Nonstocked 5.9 No Alder, winerberry, blueberry, willow, swamp grass, scattered tamarack.

233 6119 - Mixed Lowland Deciduous Forest Sawtimber Well 11.2 104 81-110 N/A Casey Owens 02/23/2023
Very diverse lowland stand, with a slight grad between oak ridge to the East and a swamp to West and South that is on privet land. Trace of Hemlock, and Red Cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	6	Pole	8		White Oak	Low	Variable	Sapling
Eastern Red Cedar	2	Log/Pole	10		Red Maple	Medium	>20 feet	Sapling
White Pine	7	Log	16	104	Balsam Fir	Low	10 - 20 feet	Sapling
Black Cherry	5	Log	14		White Pine	Low	10 - 20 feet	Sapling
Red Oak	7	Log/XLog	17	104				
Red Maple	51	Log	11	104				
Quaking Aspen	15	Log	10	40				
Hemlock	3	Log	10					
White Oak	4	Log/Pole	10	104				

234 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 5.3 38 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	25	Sapling	3	38	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Eastern Red Cedar	2	Pole	5	38	Dogwood (spp.)	Low	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole	5	38				
Black Spruce	35	Pole	5	38				
Tamarack	25	Pole	5	38				
Red Maple	8	Pole	6	38				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
235	6229 - Mixed lowland shrub	Nonstocked	1.3			No	
236	6229 - Mixed lowland shrub	Nonstocked	3.4			No	SI = 65 (PI). Trace of balsam fir in understory.
237	6229 - Mixed lowland shrub	Nonstocked	1.3			No	SI = 65 (PI). Trace of balsam fir in understory.
238	42200 - Natural White Pine	Sawtimber Well	6.8	80	141-170	N/A	natural large dbh white pine, in southern 2/3 with no understory, North 1/3 has some small old aspen, a sparce understory, and smaller white pine on average

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	80	Log/XLog	17	80	White Pine	Low	>20 feet	Sapling
Quaking Aspen	20	Pole	9	40	Quaking Aspen	Low	>20 feet	Sapling
					Autumn Olive	Low	< 5 feet	Tall Shrub