



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61106

Entry Year 2028

Acreage: 2,330

County: Kalkaska

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Thomas Peterson III

Legal Description:

T27N R5W, Sections 13, 14, 15, 22, 23 & 24.

Identified Planning Goals:

Management in the Kalkaska Sandy Moraines Management area (MA) will emphasize continuing to balance the age class of aspen on suitable sites and thinning the northern hardwoods, balancing age classes of red pine and jack pine and regenerating the aging oak resource. Management will strive to sustainably produce various forest products; enhance game and non-game wildlife habitat; protect areas of unique character, such as the historic Deward Tract; and provide for forest-based recreational uses. With about 3% of the management area being lowland, management activities will be minimally constrained. Expected trends within this 10-year planning period are increased recreational pressure, managing oil and gas development, introduced pests and diseases and the difficulty in regenerating oak.

Soil and topography:

The topography in this compartment ranges from flat to slightly rolling to hilly. Poor sandy soils are found in much of this part of Kalkaska County. Soils east of Deward Road are mostly poorly drained loamy sands and peat.

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

The state ownership is fragmented in the west two thirds of the compartment. Private lands and development are most prevalent around the lakes and upon the better soils. Sections 13 & 24 are exclusively state owned. Much of the compartment is bounded by other state owned lands. In contrast, there are three "forties" and a twenty acre parcel that are landlocked by state lands. These private parcels were listed as desired forest land acquisitions in the Pere Marquette State Forest plan and they should remain on our list of desired properties. Only scattered seasonal development is found scattered through the private forestlands.

Unique Natural Features:

Bald Eagle, Common Loon and Eastern Massasauga rattlesnake have been documented in the compartment.

Archeological, Historical, and Cultural Features:

There is evidence of some old homesteads and lots of old abandoned railroad grades scattered around through the compartment. Otherwise, no listed sites are known to exist in this compartment.

Special Management Designations or Considerations:

The portions of Sections 13 and 24 east of Deward Road are part of the Deward Tract which is a special management area. Motorized vehicles are banned from entering the Deward Tract except upon roads that are designated and posted as open for use. Within the Deward Tract is a 42.5 acre area that was proposed as a Pine Stump Preserve to commemorate the 1900's white pine timber stands that once occupied this area. The very southwest portion (+/- 5 acres) of the Pine Stump Preserve falls in Compartment 106 (stand #82).

Watershed and Fisheries Considerations:

Fish comments

The Manistee River flows just to the east of compartment 106. North Blue Lake, Big Blue Lake and Bass Lake are within the compartment boundary, although they are not directly bordered by state forest land. North Blue and Big Blue Lakes are stocked with lake trout by the MDNR Fisheries Division. The Manistee River in the Deward Tract supports outstanding populations of wild brook and brown trout and is a blue ribbon trout stream.

Wildlife Habitat Considerations:

Compartment 106 is underlain by two different glacial landforms. The first is comprised of irregular ridges of well drained sands of moderately low fertility (LTA 3121). The second landform, situated between several ridge complexes, is a relatively flat outwash channel with well drained sandy soils. The current dominant cover type within this compartment is aspen, followed closely by northern hardwoods. Wild fires where a recognized natural process in communities growing on these sandy soils. Hence a mixture of cover types and age classes is an appropriate management objective. Not only does this

replicate a landscaped shaped by periodic wildfires, but it also helps to maintain habitat diversity by providing many different ecological niches.

Aspen cuts should be designed to increase age class diversity in order to maintain aspen stands of different habitat characteristics within a given area. Retention of mast/bud producing trees/shrubs, creation of downed logs during harvest operations, and increasing age class diversity among aspen stands are excellent ways to increase wildlife use of regenerating stands. Several cuts are planned to regenerate aspen needed by many wildlife species, including snowshoe hare, ruffed grouse, deer, woodcock, chestnut-sided warblers, and tiger salamanders. Hardwood treatments are typically designed to incorporate the preservation of within-stand tree species diversity, the retention of mature mast producing trees, and the protection of den, cavity, and downed trees. Species benefiting from hardwood forests include northern goshawk, wild turkey, gray squirrels, and eastern box turtles. Where possible, hardwoods should be encouraged within pine plantations for within stand diversity. When possible, a 2-5 acre island within a mature plantation could be left relatively unthinned to provide winter roosting cover for turkeys.

Openings are scattered about this compartment and a variety of maintenance projects have been scheduled for this entry period, including, selective hand felling, planting of herbaceous ground cover, pruning of remnant apple trees, and some prescribed burning. Turkey, deer, eastern bluebirds, meadow jumping mice, and smooth green snakes are just a sample of the many species that use these openings.

Mineral Resource and Development Concerns and/or Restrictions

There is no known potential for the occurrence of economic deposits of metallic minerals in this part of the state. No active sand/gravel operations are known to occur in the area. There appears to be good potential for the occurrence of sand & gravel within the compartment, with some potential for development on the uplands. A portion of the east end of the compartment is documented as an eastern massasauga rattlesnake CCAA area, which could be off limits for surface mining. The compartment is within the Silurian reef hydrocarbon play, and significant amounts of exploration and development have occurred in the compartment. Some State-owned mineral rights within the compartment are currently under lease and held by production. Antrim Shale gas production is occurring just east of the compartment, but the potential future Antrim gas development within the compartment is considered low at this time. Depleted reef reservoirs in the area have the potential for future underground gas storage or sequestration operations.

Vehicle Access:

The road system should be maintained as it is at this point. The compartment consists of several county seasonal roads and state two tracks. Old oil and gas well pads have several additional roads mixed in compartment. No new roads are needed at this time.

Survey Needs:

No Survey needs at this time for prescribed timber sales.

Recreational Facilities and Opportunities:

The Kalkaska 50 inch ORV trail, Kalkaska ORV Route, and Snowmobile trail #679 (Blue Bear Trail) are located within this compartment. The 50 inch trail will be re-routed in the area that goes through stand 24. This trail is heavily eroded in some areas so it will be moved to the east edge of the stand and will generally be a meandering trail. The old trail will be abolished with the timber sale in the area. Trail protection specifications should be considered if proposed treatments impact these trail systems. (T.N. 1/26/16).

Fire Protection:

The timber types in this compartment do not present the potential for a catastrophic fire occurrence. Natural fire breaks in the form of open spaces, lowland brush areas and closed canopy hardwood stands will aid in the control of wildfires. Travel time to the area for initial attack is rather lengthy for DNR equipment but the Blue Lake Township VFD is within 1/8th of a mile of stand 10 so their response time would be very quick.

Additional Compartment Information:

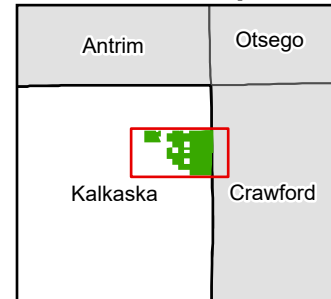
The following reports from the Inventory are attached:

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

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

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

Cover Type & Treatments Map



Compartment: 61106
T 28N R 05W Sec. 13-15, 23, 24
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,330 GIS Calculated
Examiner: Thomas Peterson III
Date Exported: 06/29/2026
Map Phase: Web Post

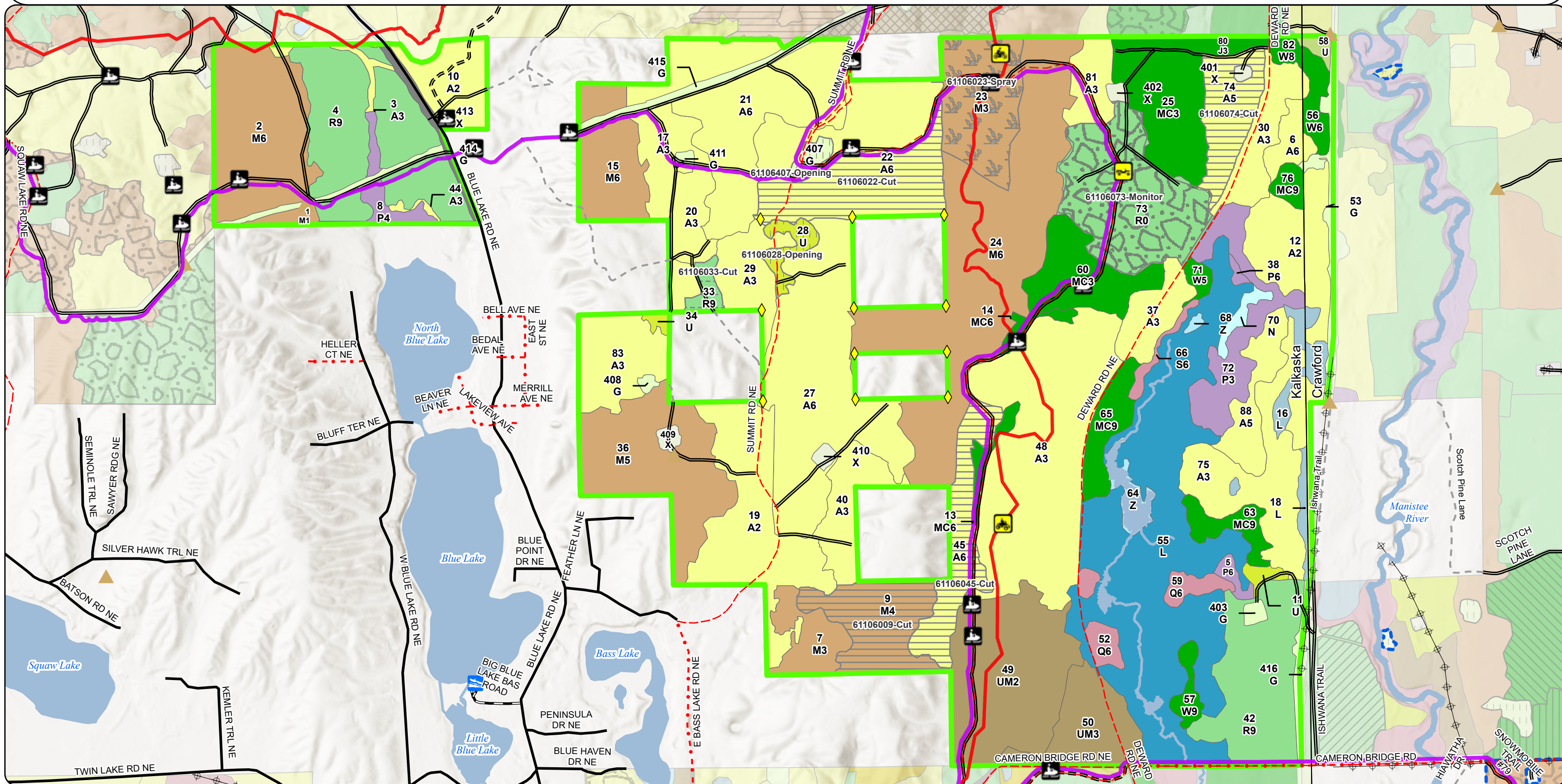
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- Survey Grade Corners
- Boating Access Site
- Berm
- Designated ORV Routes
- Designated ATV Trails
- Designated Snowmobile
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route

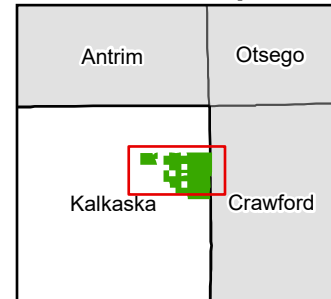
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut

- Overstory Removal
- Pesticide
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water

- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated



Cover Type & Treatments Map



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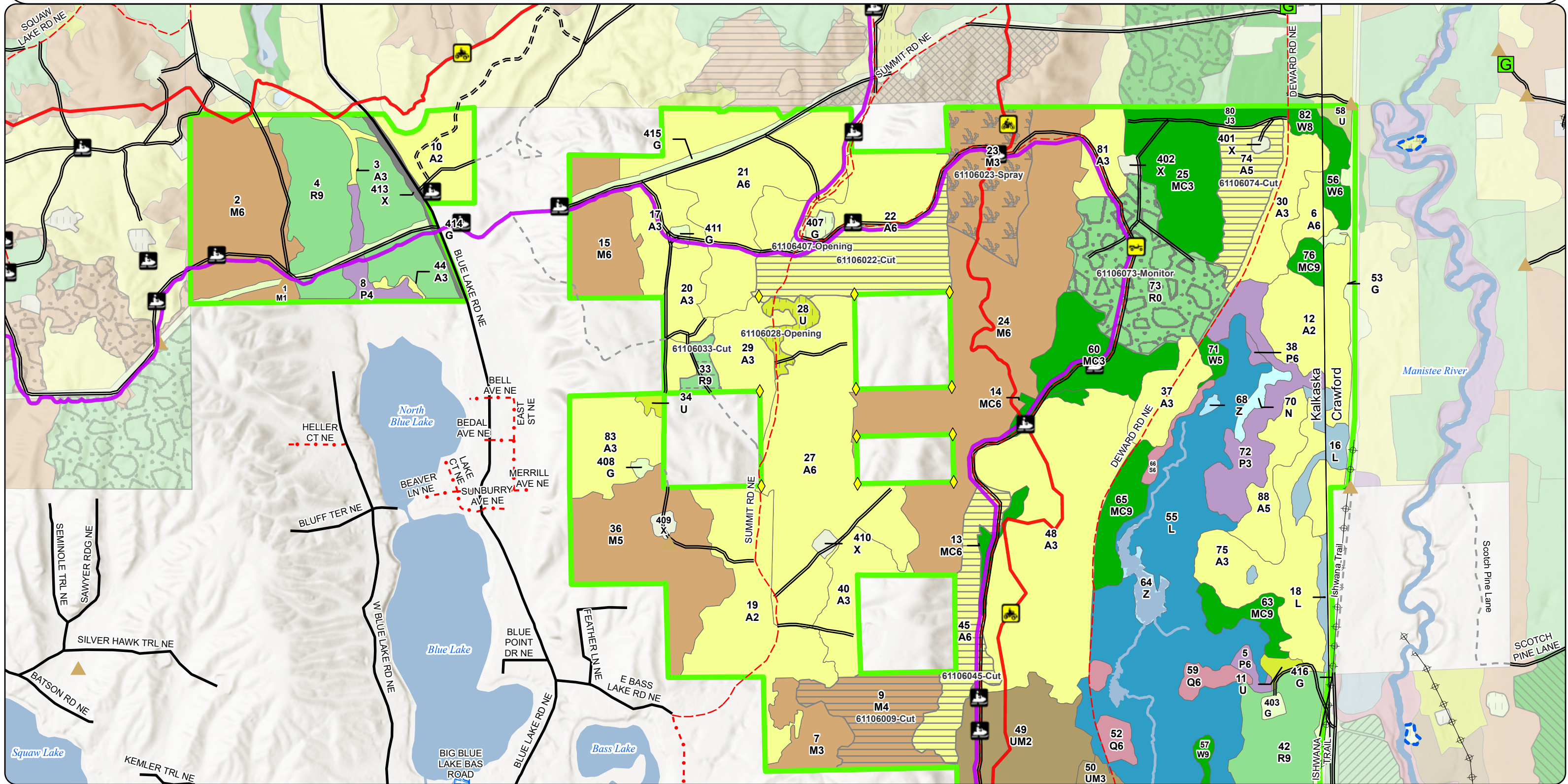
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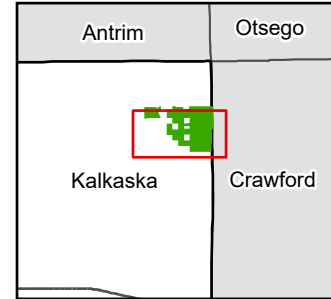
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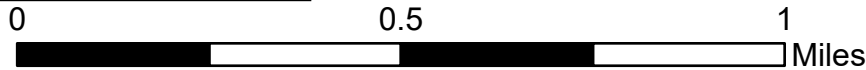
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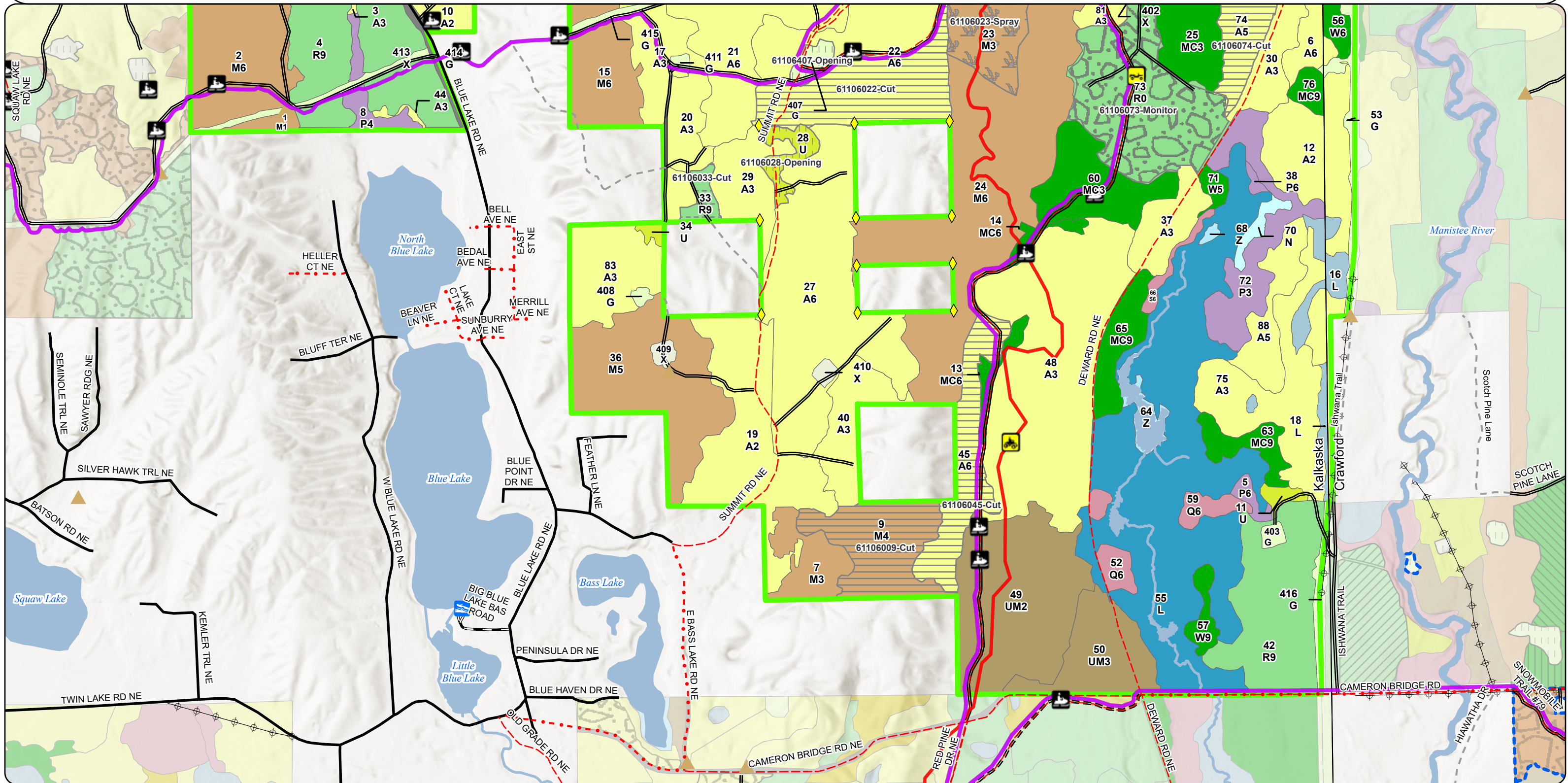


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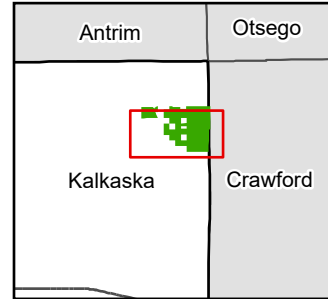
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Stand Boundary Map

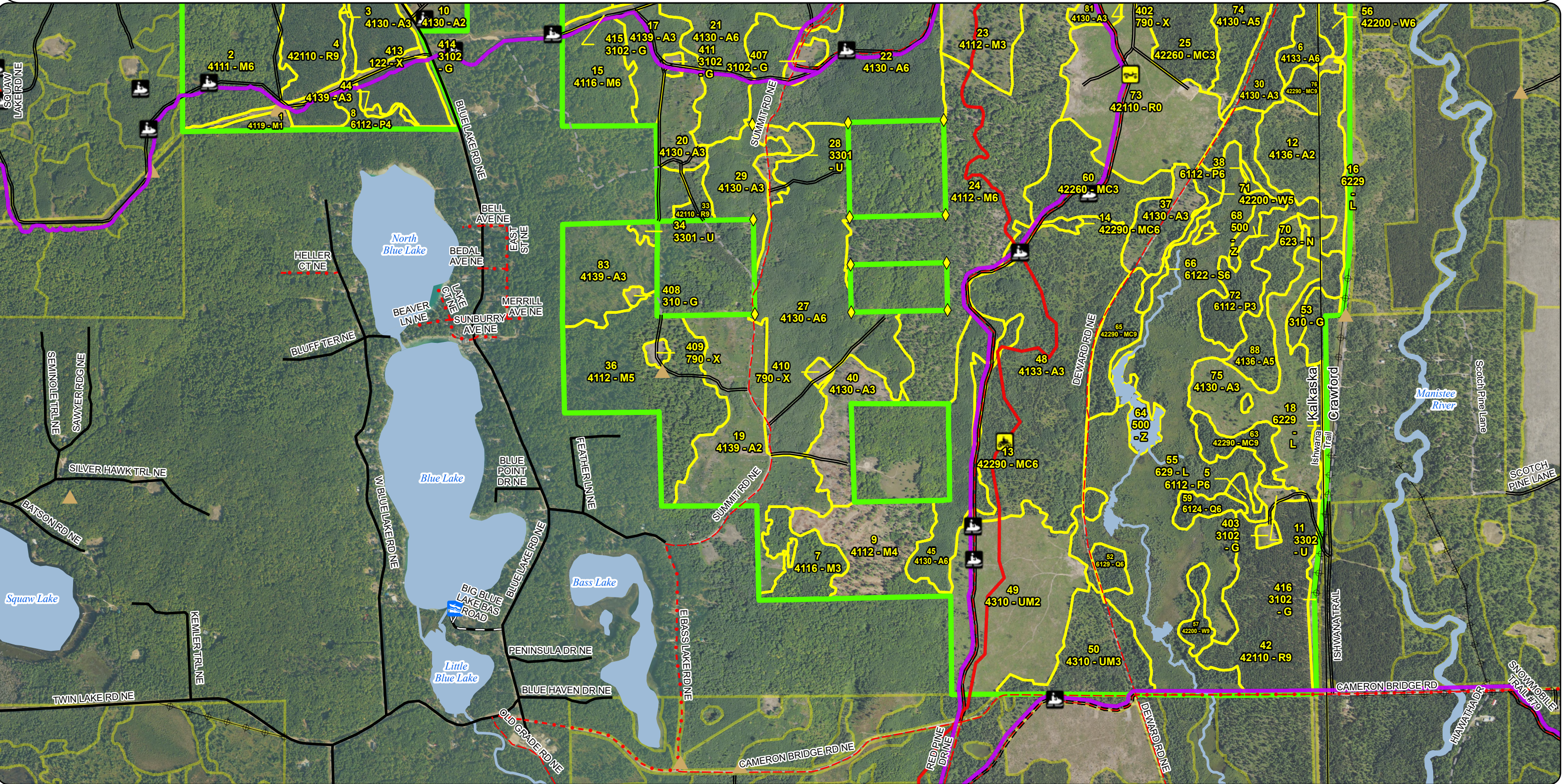


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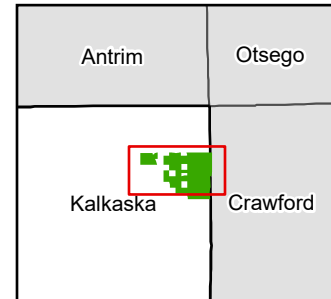
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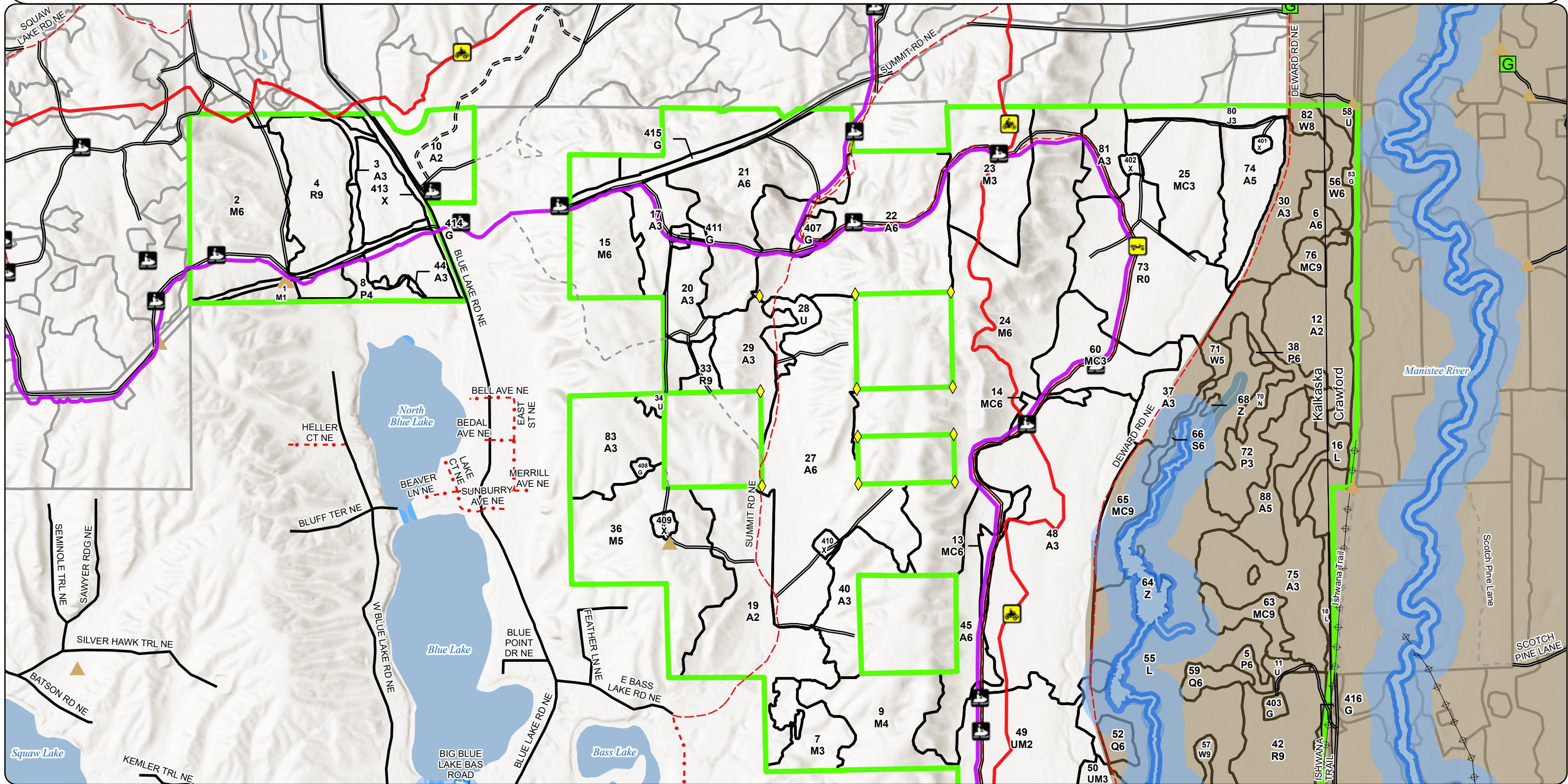


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- High Conservation Value Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Dedicated Management Areas
- Cold Water Streams
- High Priority Trout Stream Buffer

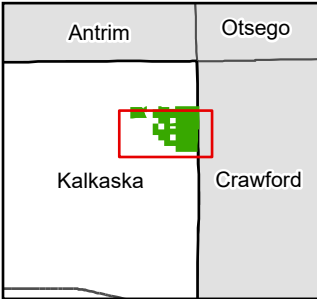


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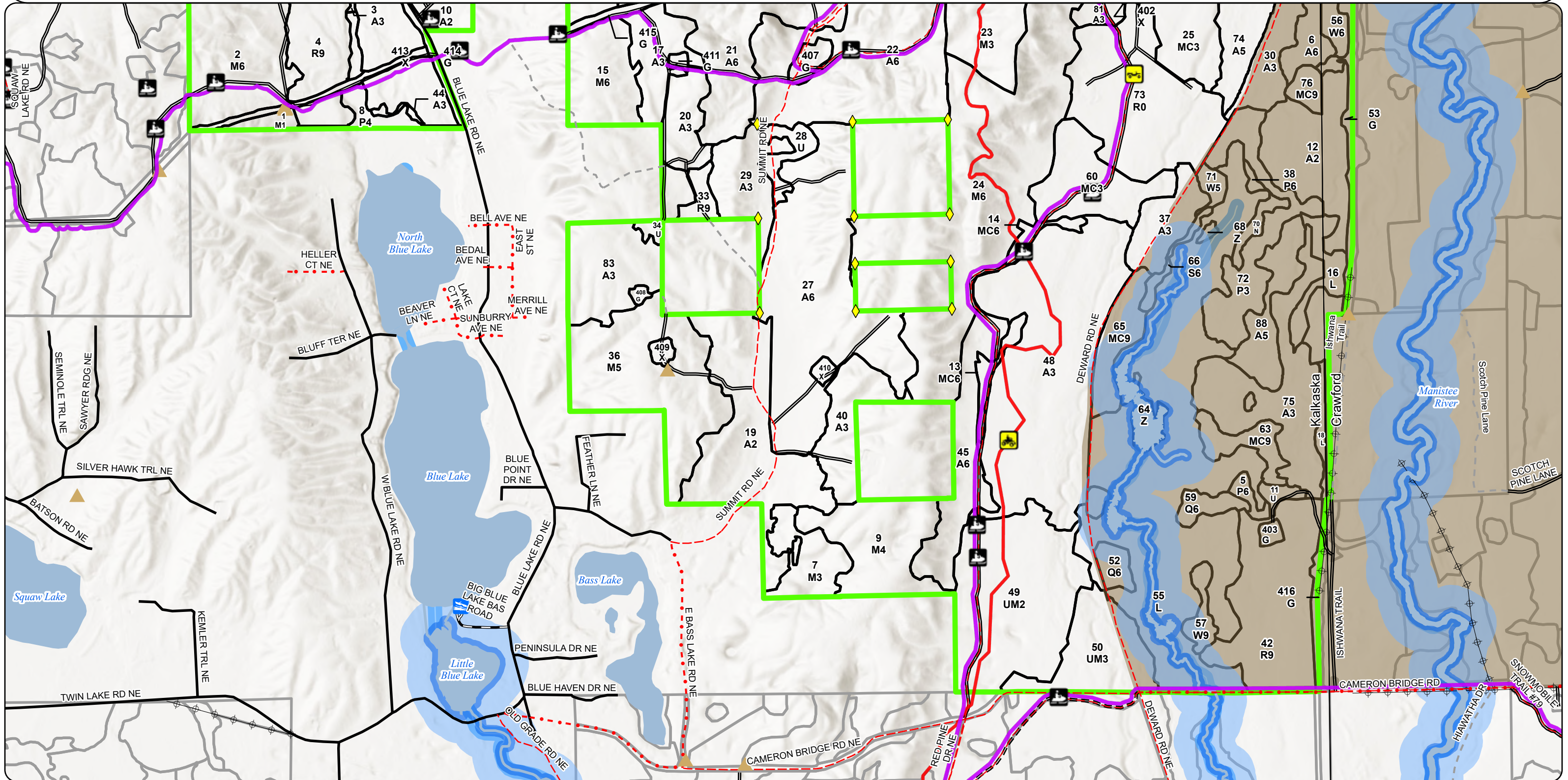
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Report 1 – Total Acres by Cover Type and Age Class

Traverse City Mgt. Unit

Compartment 106 Year of Entry 2028

Thomas Peterson III: 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	298	80	193	215	148	30	0	0	0	0	0	0	0	0	0	0	0	964
Bare/Sparsely Vegetated	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Herbaceous Openland	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Jack Pine	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Low-Density Trees	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Aspen/Balsam Poplar	0	37	0	0	0	0	10	1	0	0	0	0	0	0	0	0	0	4	52
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
Lowland Shrub	211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Natural Mixed Pines	0	0	0	80	0	0	0	0	6	29	0	0	0	0	0	0	0	13	127
Northern Hardwood	0	55	0	21	0	0	0	39	75	43	239	0	0	0	0	0	0	0	470
Red Pine	78	0	0	0	0	0	0	159	0	0	0	0	0	0	0	0	0	0	237
Upland Mixed Forest	0	88	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	125
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	0	0	0	10	4	4	0	0	0	0	0	7	0	0	0	25
Total	377	478	91	294	252	148	50	203	85	76	239	0	0	0	7	0	0	32	2328



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 106
Total Compartment Acres: 2,330

Commercial Harvest - 604
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 56

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	124	0	0	0	0	0	0	0	0	124
Northern Hardwood	43	0	0	0	0	0	0	0	0	43
Red Pine	0	0	0	0	0	6	0	0	0	6
Total	167	0	0	0	0	6	0	0	0	173

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	173	0	0	0	50	76	0	0	0	313
Next Step	0	85	227	0	135	308	0	0	0	847
Total	173	85	227	0	184	384	0	0	0	1159



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

9	61106009-Cut	42.5	4112 - Maple, Beech, Cherry Association	4	85	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
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Prescription Clearcut stand and leave standard area retention in stand. Cut all trees down to 1 inch in DBH to get stand ready to plant red pine. Chip stand if markets are available. Use any methods available in red pine free to grow guidance to achieve planted red

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen;
Treatments: Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Planting, Interplant;

Acceptable Fully stocked stand of red pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

22	61106022-Cut	56.4	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
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Prescription Final harvest around 1/2 of stand. Cut portion of stand south of snowmobile trail. Leave standard retention near snowmobile trail. Cut all trees down to 2 inches in size. Leave all oak. Green tree mark 5-10 Pine trees as seed source. Use snowmobile p

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen stand with any mixture of red maple, black cherry, oak or pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

23	61106023-Spray	49.6	4112 - Maple, Beech, Cherry Association	3	6	1-50	Pesticide	Pesticide	4211 - Planted Red Pine	Planting Record	No
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Prescription Site prep spray stand to set back beech out of stand. Fly Drone over stand to delineate out scattered residual trees to create no spray zones to leave sugar maple seed source across stand.

Next Step Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; NonCommCut, Brush Saw Release; Planting, Interplant;
Treatments: Pesticide, Aerial - Release

Acceptable Planted Red Pine with an mixture of sugar maple, oak, red maple, or black cherry

Regen:

Other Plant stand to unfurrowed red pine with spacing of 8X8. Hardwoods is long term goal. Red pine will be used as nurse crop.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



Standard

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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28 61106028-Opening	8.9	3301 - Low Density Deciduous Trees	99			Openings Mgmt.	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
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Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

33 61106033-Cut	6.1	42110 - Planted Red Pine	9	65	141-170	Harvest	Overstory Removal	411 - Northern Hardwood	Planting Record	No
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Prescription Remove all pine and aspen overstory of stand. Do not cut anything beside pine and aspen. No retention needed due to small size of stand.

Specs: Protect all hardwood species regardless of size.

Next Step
Treatments:

Acceptable Fully to Moderately stocked stand of sugar maple, basswood, red maple, black cherry, aspen or pine

Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

45 61106045-Cut	37.9	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Final Harvest stand. Leave standard area retention near snowmobile trail. Cut all trees down to 1 inch in DBH. Leave all oak in stand. Mark 5-10 pine trees across stand to leave as seed source. Use snowmobile trail protection spec and drumming log sp

Specs:

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

Acceptable Fully stocked stand of aspen, with any mixture of red maple, black cherry, pine or oak.

Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

74 61106074-Cut	29.8	4130 - Aspen	5	55	1-50	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
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Prescription Final harvest stand. Cut all trees down to 2 inches in DBH. Leave standard area retention in stand. Do not cut any red or white pine under 6 inches in DBH. Leave all oak in stand as seed source. Using drumming log spec during write up.

Specs:

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

Acceptable Fully to moderately stocked stand of aspen with a mixture of pine, black cherry, and red maple.

Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027



Standard

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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407	61106407-Opening	5.3	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs <u>Specs:</u> and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

Approved Treatments:

73	61106073-Monitor	76.0	42110 - Planted Red Pine	0	2	Immature	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> planted red pine with some volunteers of various currently present species but would like most of the red pine free to grow without much <u>Regen:</u> competition. <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

Total Treatment 312.5
Acreage Proposed:

Report 4 – Site Conditions

Traverse City Mgt. Unit
Thomas Peterson III: Examiner

Compartment: 106
Year of Entry: 2028



Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions	2G	3D	5E
965	965	0	0	Aspen			
7	7	0	0	Bare/Sparsely Vegetated			
41	41	0	0	Herbaceous Openland			
11	11	0	0	Jack Pine			
14	15	0	0	Low-Density Trees			
51	40	0	11	Lowland Aspen/Balsam Poplar	10		1
15	15	0	0	Lowland Conifers			
211	211	0	0	Lowland Shrub			
4	4	0	0	Lowland Spruce/Fir			
5	5	0	0	Marsh			
127	116	0	11	Natural Mixed Pines		11	
471	471	0	0	Northern Hardwood			
237	237	0	0	Red Pine			
125	125	0	0	Upland Mixed Forest			
3	3	0	0	Upland Shrub			
7	7	0	0	Urban			
10	10	0	0	Water			
25	25	0	0	White Pine			
2,330	2,308		22	Total Forested Acres	10	11	1
	99%		1%	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)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Compartment: 106
Year of Entry: 2028



Traverse City Mgt. Unit
Thomas Peterson III: Examiner

3	Unavailable	3D: Recreational/scenic values	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Scenic buffer along trail.							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
1	4119 - Mixed Northern Hardwoods	Sapling Poor	5.1	6	Immature	N/A	2026 - Stand has failed its natural regeneration monitoring treatment. There are a few pockets in stand that have regenerated well. Other parts of stand have no current regeneration in them. 2020 - Stand was final harvested under timber sale contract Very Berry RP. There is some scattered mature maple that was left for seed.																																																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>50</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Sugar Maple</td><td>20</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Beech</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Basswood</td><td>15</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	50	Sapling	1	6	Sugar Maple	20	Sapling	1	6	Beech	5	Sapling	1		Basswood	15	Sapling	1		Bigtooth Aspen	10	Sapling	1																																				
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2	4111 - S.Maple, Hard Mast Association	Poletimber Well	74.7	75	51-80	N/A	2026 - Stand is currently sitting at an average basal area of 68. Understory is full of beech and ironwood. Hard to find an desirable species in understory. 2010 - Stand thinned under timber sale contract Reverse Pay Hardwoods 61-055-08-01.																																																																	
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3	4130 - Aspen	Sapling Well	5.2	16	Immature	N/A	2026 - Fully stocked aspen stand.2009 - Stand was final harvested under timber sale Resort Town Red 61-056-08																																																																	
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4	42110 - Planted Red Pine	Sawtimber Well	87.3	65	111-140	N/A	2026 - Stand is currently sitting at an average basal area of 114.2020 - Stand was thinned again in 'Very Berry Pine'2009 - Stand was thinned under timber sale contract Resort Town Red 61-056-08																																																																	
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5	6112 - Lowland Aspen	Poletimber Well	3.5	60	51-80	N/A	2026 - Lowland Aspen hard to tell how wet it is. Should be able to harvest next time adjacent stand is harvested.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
6	4133 - Aspen, Mixed Pine	Poletimber Well	10.3	48	51-80	N/A																																
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Canopy Species	% Cover	Size Class	DBH	Age																																		
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White Pine	25	Pole/Sapling	5																																			
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7	4116 - Mixed N. Hardwood - Aspen	Sapling Well	20.7	27	1-50	N/A	This area more M4/M5 over A2/A3. Site is mostly occupiedsome beech here and there but not worth chasing with adjacent hardwood stand. manage for regenerated aspen here. BA is 0-40 for the most part, aspen looks to be doing pretty good. OPIC - FMD: 2005 KGR stand exam comments: Northern Hardwood stand that appears to have had all the aspen and white birch removed during a recent cutting. Two aged and mixed composition now. Hard Maple dominates the stand but there is a significant amount of Beech here too. Understory is Beech and Maple. Ground cover is bracken fern. Areas of the stand probably will be ready for thinning in 10-20 years. At this time, nothing is needed. Many potential crop trees are developing. Nice stand. Some small pockets of A3 have developed since the cutting. Terrain is rolling. Site Index of record was used. Stand varies from M6 to M4A3.																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>30</td><td>Pole/Log</td><td>8</td><td>91</td></tr><tr><td>Beech</td><td>5</td><td>Log/Pole</td><td>12</td><td>91</td></tr><tr><td>Red Maple</td><td>25</td><td>Pole/Log</td><td>9</td><td>91</td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Sapling</td><td>3</td><td>27</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Sugar Maple	30	Pole/Log	8	91	Beech	5	Log/Pole	12	91	Red Maple	25	Pole/Log	9	91	Bigtooth Aspen	40	Sapling	3	27	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Bigtooth Aspen</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	High	10 - 20 feet	10 - 20 feet
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8	6112 - Lowland Aspen	Poletimber Poor	9.9	55	51-80	N/A	2026 - Stand has tag alder throughout it under the Aspen. South of pipeline there is more of a conifer component.																															
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Red Maple	5	Pole	6	76																																		
9	4112 - Maple, Beech, Cherry Association	Poletimber Poor	42.5	85	1-50	N/A	2026 - Stand has low basal area. Stand has not regenerated well. There are beech, ironwood and pin cherry. 2022 - Stand was shelterwood cut as part of sale 106 Hardwood Scuffle (Sale # 61-140-18)																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>35</td><td>Pole/Log</td><td>8</td><td>85</td></tr><tr><td>Sugar Maple</td><td>50</td><td>Pole</td><td>8</td><td>85</td></tr><tr><td>Basswood</td><td>15</td><td>Log/Pole</td><td>10</td><td>85</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Red Maple	35	Pole/Log	8	85	Sugar Maple	50	Pole	8	85	Basswood	15	Log/Pole	10	85	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Ironwood</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Medium	5 - 10 feet	5 - 10 feet	Beech	Medium	5 - 10 feet	5 - 10 feet	
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10	4130 - Aspen	Sapling Medium	27.5	4	Unspecified	N/A	2026 - Stand has a few open spots in it. Aspen clone areas are fully stocked. Stand passed it Re-inventory monitoring treatment. June 2022 - Stand was harvested as Part of "106 Chipper Sale" Sale #61-141-18-01.																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>60</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Black Cherry</td><td>20</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Bigtooth Aspen	60	Sapling	1	4	Black Cherry	20	Sapling	1		Red Maple	10	Sapling	1		White Pine	10	Sapling	1											
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Red Maple	10	Sapling	1																																			
White Pine	10	Sapling	1																																			
11	3302 - Low Density Conifer Trees	None	3.4			Yes	2026 - Scattered Trees throughout stand.																															





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
19	4139 - Aspen, Mixed Deciduous	Sapling Medium	74.9	6	Immature	N/A	2026 - Stand passed its re-inventory monitoring treatment. Stand does have some opening scattered throughout it. The are primally dominated by black cherry. Aspen clones throughout stand are fully stocked.2022 - Stand was Clearcut as Part of 106 Hardwood Scuffle (Sale #61-140-18).																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Beech</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>50</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Sugar Maple</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Black Cherry</td><td>25</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	2		Beech	5	Sapling	2		Bigtooth Aspen	50	Sapling	1	6	Sugar Maple	5	Pole/Sapling	6		White Pine	5	Pole/Sapling	6		Black Cherry	25	Sapling	1	
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Black Cherry	25	Sapling	1																																							
20	4130 - Aspen	Sapling Well	17.8	4	Immature	N/A	2022 Stand was seed tree cut as part of Sale 106 Hardwood Scuffle. (Sale #61-140-18)																																			
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Bigtooth Aspen	60	Sapling	1	4																																						
21	4130 - Aspen	Poletimber Well	74.5	27	Immature	N/A	2026 - Stand transitioned to pole size stand with trees still is sapling group.1998 Post Timber Sale Update: This stand was part of a large timber sale (103-97-01). The sale was cut in August/September of 1998.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>70</td><td>Pole/Sapling</td><td>5</td><td>27</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole/Sapling</td><td>5</td><td>27</td></tr><tr><td>Black Cherry</td><td>10</td><td>Pole/Sapling</td><td>5</td><td>27</td></tr><tr><td>Beech</td><td>5</td><td>Pole/Sapling</td><td>5</td><td>27</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	70	Pole/Sapling	5	27	Red Maple	15	Pole/Sapling	5	27	Black Cherry	10	Pole/Sapling	5	27	Beech	5	Pole/Sapling	5	27										
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22	4130 - Aspen	Poletimber Well	100.0	48	51-80	N/A																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>80</td><td>Pole/Log</td><td>9</td><td>48</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td>Sapling/Pole</td><td>3</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole/Log	9	48	Red Maple	15	Pole	6		Sugar Maple	5	Sapling/Pole	3																
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23	4112 - Maple, Beech, Cherry Association	Sapling Well	49.6	6	1-50	N/A	2026 - Stand was seed tree harvested. No sure if there is enough timber to go after. Wall of beech with not many desirable species growing in. Stand failed montoring treatment at this time.2022 - Stand had an overstory removal as part of 106 Hardwood Scuffle (Sale # 61-140-18)																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Beech</td><td>70</td><td>Sapling</td><td>2</td><td>6</td></tr><tr><td>Sugar Maple</td><td>15</td><td>Log/Pole/Sap</td><td>12</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Ironwood</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td>6</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Beech	70	Sapling	2	6	Sugar Maple	15	Log/Pole/Sap	12		Bigtooth Aspen	5	Sapling	2		Ironwood	5	Sapling	2		Red Maple	5	Sapling	2	6					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
29	4130 - Aspen	Sapling Well	30.5	16	Immature	N/A	2026 - Fully Stocked aspen stand.2010 - Stand was final harvest under timber sale contract Summit Road Mix 61-073-09																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>25</td><td>Sapling</td><td>2</td><td>16</td></tr><tr><td>Bigtooth Aspen</td><td>45</td><td>Sapling</td><td>2</td><td>16</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Ironwood</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Beech</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25	Sapling	2	16	Bigtooth Aspen	45	Sapling	2	16	Red Maple	20	Sapling	2		Ironwood	5	Sapling	2		Beech	5	Sapling	2																																		
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30	4130 - Aspen	Sapling Well	25.4	4	Immature	N/A	2026 - Stand passed re-inventory monitoring treatment.2022 - Stand was final harvested under timber sale contract 106 Ivey Aspen 61-139-01.																																																															
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33	42110 - Planted Red Pine	Sawtimber Well	6.1	65	141-170	N/A	2026 - Small Red pine stand with several die back pockets in it. Stand has a good amount of sugar maple in understory. Remove red pine overstory for forest health reasons.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>90</td><td>Log/Pole</td><td>11</td><td>65</td><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Bigtooth Aspen</td><td>3</td><td>Log/Pole</td><td>10</td><td></td><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>3</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Basswood</td><td>4</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	90	Log/Pole	11	65	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Bigtooth Aspen	3	Log/Pole	10		Sugar Maple	Medium	Variable	Variable	Sugar Maple	3	Log/Pole	10						Basswood	4	Log/Pole	10																							
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Basswood	4	Log/Pole	10																																																																			
34	3301 - Low Density Deciduous Trees	None	2.2			No	2026 - Scattered Cherry Trees and white pine																																																															
36	4112 - Maple, Beech, Cherry Association Poletimber Medium		74.4	99	51-80	N/A	2026 - Stand is sitting at an average basal area of 54 at time of inventory. Stand has some nice aspen clones that are about average 8 foot tall throughout stand. There is a fully stocked stand of beech throughout stand as well. 2022 - 11/4/2022 Stand was Crown Thinned as Part of 106 Hardwood Scuffle (Sale #61-140-18).																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>40</td><td>Pole/Log</td><td>9</td><td>99</td><td>Beech</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>14</td><td></td><td>Ironwood</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>40</td><td>Pole/Log</td><td>9</td><td>99</td><td>Bigtooth Aspen</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>5</td><td>Log/Pole</td><td>14</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td>Pole/Log</td><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Basswood</td><td>5</td><td>Pole/Log</td><td>9</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	40	Pole/Log	9	99	Beech	High	Variable	Variable	Red Pine	5	Log/Pole	14		Ironwood	Low	5 - 10 feet	5 - 10 feet	Sugar Maple	40	Pole/Log	9	99	Bigtooth Aspen	Medium	Variable	Variable	White Pine	5	Log/Pole	14						Yellow Birch	5	Pole/Log	9						Basswood	5	Pole/Log	9					
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Basswood	5	Pole/Log	9																																																																			
37	4130 - Aspen	Sapling Well	20.3	4	Immature	N/A	2026 - Stand has passed it's natural regeneration monitoring treatment. 2022 - Stand was final harvested under timber sale contract 106 Ivey Aspen 61-139-01.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>65</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>White Pine</td><td>15</td><td>Log/XLog</td><td>16</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	65	Sapling	1	4	Red Maple	20	Sapling	1	4	White Pine	15	Log/XLog	16																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
38	6112 - Lowland Aspen	Poletimber Well	1.4	65	81-110	N/A	2026 - Retention for stand 72.																																			
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Quaking Aspen	80	Pole/Log	9	65																																						
White Pine	20	Pole	8	65																																						
40	4130 - Aspen	Sapling Well	25.8	4	1-50	N/A	2022 - Stand was seed tree cut as part of sale 106 Hardwood Scuffle. No Regeneration present at time of sale closer. 2017 - Some areas thick with beech and some areas more open and sparse stocked... some nice pole areas of sugar maple and some pretty gnarly mixed in with big tooth aspen clones. OPIC - FMD: 2005 KGR stand exam comments: Northern Hardwood stand with some potential crop trees developing but there are lots of multiple stem clumps here too. Many small dbh stems. May be a stand to manage for fiber - or at least part of it. Pockets of better quality and higher density. Used site index of record. Terrain is rolling.																																			
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42	42110 - Planted Red Pine	Sawtimber Well	65.6	65	111-140	N/A	2026 - Stand is currently sitting at an average basal area of 112 at this time. There are large white pine scattered throughout the stand.2020 - Stand was thinned again in 'Very Berry Pine'2009 - Stand was thinned under timber sale contract Deer Fly Pine 61-047-08																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>85</td><td>Log/Pole</td><td>12</td><td>65</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>15</td><td>XLog/Log/Pole</td><td>18</td><td>65</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	85	Log/Pole	12	65	Red Maple	Low	5 - 10 feet	5 - 10 feet	White Pine	15	XLog/Log/Pole	18	65												
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White Pine	15	XLog/Log/Pole	18	65																																						
44	4139 - Aspen, Mixed Deciduous	Sapling Well	1.9	6	Immature	N/A	2026 - Stand has passed it re-inventory monitoring treatment.2020 - Stand was final harvested under Very Berry RP.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>55</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Black Ash</td><td>5</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td>6</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	55	Sapling	1	6	Black Ash	5	Sapling	1	6	Balsam Fir	15	Sapling	1		Red Maple	25	Sapling	1	6										
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45	4130 - Aspen	Poletimber Well	37.9	46	81-110	N/A																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
48	4133 - Aspen, Mixed Pine	Sapling Well	139.8	35	51-80	N/A	2026 - Stand has pockets of stand that are pure red pine. Overall stand is aspen stand. Stand has a couple different age classes of aspen due to harvest in 2009. 2009 - Stand was leave tree marked and harvested under timber sale contract Deward Road Red Pine 61-053-08.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>10</td><td>Sapling</td><td>4</td><td></td></tr><tr><td>Red Oak</td><td>3</td><td>Log/XLog</td><td>14</td><td></td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole/Sapling</td><td>5</td><td>35</td></tr><tr><td>Red Maple</td><td>8</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Red Pine</td><td>24</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	10	Sapling	4		Red Oak	3	Log/XLog	14		Quaking Aspen	50	Pole/Sapling	5	35	Red Maple	8	Sapling	3		Black Cherry	5	Pole/Sapling	5		Red Pine	24	Pole/Sapling	6																					
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49	4310 - Pine, Oak Mix	Sapling Medium	88.0	4	Immature	N/A	2026 - Stand is filling in nicely from harvest in 2023. There are a lot of Jack Pine sticking out of snow at this time. Stand should continue to fill in over time. There were a lot of scattered pine left along the snowmobile trail. 2023 - Variance to drop red pine trenching, spraying and planting was approved. 9/23/2023. See compartment folder for Completed Variance2022 - Stand was harvested as Part of timber sale contract "106 Chipper Sale" Sale #61-141-18-01.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>40</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Jack Pine</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>White Oak</td><td>20</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Oak</td><td>15</td><td>Sapling</td><td>1</td><td>4</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	40	Sapling	1	4	Bigtooth Aspen	10	Sapling	1		Red Maple	5	Sapling	1		Black Cherry	5	Sapling	1		Jack Pine	5	Sapling	1		White Oak	20	Sapling	1	4	Red Oak	15	Sapling	1	4															
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52	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	8.7	75	81-110	N/A	OPIC - FMD: 2006 KGR stand exam comments: Stand is upon a site with a high water table. Small patches of high ground. Mixed conifer species with Tamarack, spruce, balsam fir and other species. Some Red Maple and large White Pine and Red Pine trees are scattered and in pockets. A scattering of oak seedlings can be found. Nature is doing fine with her management of this stand. Stand is within the Deward Tract.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>23</td><td>Pole</td><td>6</td><td>75</td></tr><tr><td>Paper Birch</td><td>2</td><td>Pole/Sapling</td><td>6</td><td>75</td></tr><tr><td>Red Pine</td><td>10</td><td>Log/Pole</td><td>10</td><td>85</td></tr><tr><td>White Pine</td><td>20</td><td>Pole/Log</td><td>8</td><td>75</td></tr><tr><td>Black Spruce</td><td>15</td><td>Pole/Sapling</td><td>5</td><td>75</td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>5</td><td>65</td></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>7</td><td>75</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	23	Pole	6	75	Paper Birch	2	Pole/Sapling	6	75	Red Pine	10	Log/Pole	10	85	White Pine	20	Pole/Log	8	75	Black Spruce	15	Pole/Sapling	5	75	Balsam Fir	20	Pole/Sapling	5	65	Red Maple	10	Pole	7	75															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
53	310 - Herbaceous Openland	None	10.5			No	2026 - Pipeline ROW																																													
55	629 - Mixed non-forested Wetland	None	194.0			No	2026 - Tag Alder and cattails some old beaver activity.																																													
56	42200 - Natural White Pine	Poletimber Well	9.9	58	111-140	N/A																																														
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57	42200 - Natural White Pine	Sawtimber Well	7.0	131	141-170	N/A	2026 - Large super canopy white pine sticking out to swamp. Could thin from below and leave super canopy trees next time adjacent red pine stand is thinned. Legacy trees present in stand.																																													
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58	320 - Upland Shrub	None	3.0			No	Deward Pine Stump Preserve																																													
59	6124 - Lowland Spruce-Fir	Poletimber Well	6.7	60	51-80	N/A	2026 - Stand has no issues																																													
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60	42260 - Natural Pine, Mixed Deciduous	Sapling Well	35.5	27	1-50	N/A	2026 - Stand has a few poles in it at this time should be pole stand next YO 1999 - Stand was final harvested the year																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>50</td><td>Sapling/Pole</td><td>4</td><td>27</td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Sapling/Pole</td><td>4</td><td>27</td></tr><tr><td>Red Pine</td><td>20</td><td>Log/XLog</td><td>14</td><td>85</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	50	Sapling/Pole	4	27	Quaking Aspen	30	Sapling/Pole	4	27	Red Pine	20	Log/XLog	14	85																									
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63	42290 - Natural Mixed Pine	Sawtimber Well	12.5	55	111-140	N/A	2026 Super canopy white and red pine. Pine under super canopy is couple stick brushy pine.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>55</td><td>Log/Pole</td><td>12</td><td>55</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Pole/Sapling</td><td>6</td><td>55</td><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Pine</td><td>25</td><td>Log/Pole</td><td>12</td><td>65</td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Pole</td><td>6</td><td>55</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	55	Log/Pole	12	55	Red Maple	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	15	Pole/Sapling	6	55	White Pine	Low	5 - 10 feet	5 - 10 feet	Red Pine	25	Log/Pole	12	65	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	5	Pole	6	55				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
64	500 - Water	None	9.3			No	2026 - Unnamed water body.																																				
65	42290 - Natural Mixed Pine	Sawtimber Well	18.2	81	51-80	N/A	2009 - Stand was thinned under timber contract Deer Fly Red 61-047-08																																				
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Red Oak	5	Log/Pole	10	81																																							
66	6122 - Black Spruce	Poletimber Well	4.1	89	81-110	N/A	2026 - Transition Ground between upland and lowland.																																				
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68	500 - Water	None	1.0			No	2026 - Un-named water body																																				
70	623 - Emergent Wetland	None	4.6			No	2026 - Beaver activity in area.																																				
71	42200 - Natural White Pine	Poletimber Medium	3.9	61	1-50	N/A																																					
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Black Cherry	10	Pole/Sapling	6																																								
72	6112 - Lowland Aspen	Sapling Well	36.6	4	Immature	N/A	2026 - Stand has passed it re-inventory monitoring treatment. Some areas fully stocked some areas more open. 2022 - Stand was final harvested under timber sale contract 106 Ivey Aspen 61-139-01.																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>70</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	70	Sapling	1	4	Red Maple	20	Sapling	1	4	White Pine	5	Pole/Log	8		Red Pine	5	Log/Pole	10												
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Red Pine	5	Log/Pole	10																																								
73	42110 - Planted Red Pine	Unspecifed	77.8	2	Immature		2025 - Year 1 regeneration check was completed 10/9/2025. There are currently 788 Tree Per Acre and stand is 100% free to grow.2025 - 5/8/2025 - Stand was planted to 801 Trees per acre of red pine. 2024 - Stand was site prep sprayed by contract helicopter 8/9/20242023 - Stand was trenched 9/20/2023 to plant red pine 2022 - Stand was harvested as Part of "106 Chipper Sale" Sale #61-141-18-01. 6/2022																																				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
74	4130 - Aspen	Poletimber Medium	30.0	55	1-50	N/A	2026 - Stand has several age class of aspen throughout it. Stand has some open spots in it and a fair amount of pine in it.
Canopy Species% CoverSize ClassDBH Age		Sub-Canopy SpeciesDensityAvg. HeightSize					
Quaking Aspen75Pole855		Jack PineLow< 5 feet< 5 feet					
Red Maple15Pole855		Red PineLowVariableVariable					
White Pine5Pole855		Red MapleLow5 - 10 feet5 - 10 feet					
Black Cherry5Pole/Sapling755		White PineLowVariableVariable					
75	4130 - Aspen	Sapling Well	53.0	4	Immature	N/A	2022 - Stand was final harvested under timber sale contract 106 Ivey Aspen 61-139-01.
Canopy Species% CoverSize ClassDBH Age							
Quaking Aspen70Sapling14							
Red Maple20Sapling14							
White Pine10Pole/Log859							
76	42290 - Natural Mixed Pine	Sawtimber Well	5.5	75	51-80	N/A	
Canopy Species% CoverSize ClassDBH Age							
Red Pine35Log/Pole12							
White Pine45Log/XLog1475							
Quaking Aspen10Pole5							
Red Maple10Pole6							
80	42220 - Natural Jack Pine	Sapling Well	10.9	15	Immature	N/A	2011 - Stand final harvested 'Stumpville Pine' 61-110-09.
Canopy Species% CoverSize ClassDBH Age							
Jack Pine70Sapling215							
Red Maple5Sapling115							
Red Oak5Sapling115							
Red Pine5Sapling115							
Quaking Aspen15Sapling2							
81	4130 - Aspen	Sapling Well	16.7	4	Unspecified	N/A	2026 - Stand has passed re-inventory monitoring treatment.2022 - Stand was harvested as Part of "106 Chipper Sale" Sale #61-141-18-01.
Canopy Species% CoverSize ClassDBH Age							
Bigtooth Aspen80Sapling14							
Red Maple10Sapling1							
Black Cherry10Sapling1							
82	42200 - Natural White Pine	Sawtimber Medium	4.2	79	51-80	N/A	Deward Pine Stump Preserve
Canopy Species% CoverSize ClassDBH Age		Sub-Canopy SpeciesDensityAvg. HeightSize					
Red Pine15Log/Pole10		Red OakLow5 - 10 feet5 - 10 feet					
White Pine75Log/Pole1079							
Red Maple10Pole8							



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
83	4139 - Aspen, Mixed Deciduous	Sapling Well	35.0	6	Immature	N/A	2026 - Stand has passed its re-inventory monitoring check. 2022 - Stand was Clearcut as Part of 106 Hardwood Scuffle (Sale #61-140-18). Sugar Maple and white pine 6 inches or less were left along with green marked trees. Everything else was clearcut.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Beech</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>55</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Sugar Maple</td><td>10</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Black Cherry</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Sapling	1		Beech	5	Sapling	1		Bigtooth Aspen	55	Sapling	1	6	Sugar Maple	10	Pole/Sap/Log	8		White Pine	5	Pole/Sapling	6		Black Cherry	10	Sapling	1	
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88	4136 - Aspen, Mixed Conifer	Poletimber Medium	33.2	36	51-80	N/A	2026 - Stand is low quality aspen with some scattered pine and Balsam fir.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>60</td><td>Pole/Sapling</td><td>5</td><td>36</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling/Pole</td><td>3</td><td>36</td></tr><tr><td>White Pine</td><td>15</td><td>Pole/Sapling</td><td>5</td><td>46</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>3</td><td>36</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Pole/Sapling	5	36	Red Maple	20	Sapling/Pole	3	36	White Pine	15	Pole/Sapling	5	46	Balsam Fir	5	Sapling/Pole	3	36										
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401	790 - Other Bare/Sparsely Vegetated	None	1.2				2026 - Old well pad. Aerial photo shows dirt. Could be ORV damage.																																			
402	790 - Other Bare/Sparsely Vegetated	None	1.7				2026 - Active oil and gas well																																			
403	3102 - Grass	None	2.2				2026 - Old well site. No structures visible on site.																																			
407	3102 - Grass	None	5.3			Yes	OPIC - FMD: 2005 KGR stand exam comments: Grassy opening with several old fruit trees and some earthen footings from old buildings located in it. Obviously, this was an old homestead. Stand is bisected by Summit Road (certified but not maintained county road). ORV Trail bisects the stand using Summit Road as its route and the snowmobile trail passes (E/W) through the south part of this stand.																																			
408	310 - Herbaceous Openland	None	1.3				2026 - Old oil and gas well pad. Stand might have some planted red pine. Can see a bunch of tops sticking through snow. No equipment visible on site.																																			
409	790 - Other Bare/Sparsely Vegetated	None	2.3				2026 - Still has electrical box and pipe sticking above ground fenced off on oil well pad.																																			
410	790 - Other Bare/Sparsely Vegetated	None	2.0			Yes	2026 - public has been dumping tree tops and other wood products at this site.																																			
411	3102 - Grass	None	1.3			Yes	OPIC - FMD: 2005 KGR stand exam comments: Abandoned well site. Mostly grass and knappweed. .																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
413	122 - Road/Parking Lot	None	7.0				2026 - Blue Lake Road and road ROW.
414	3102 - Grass	None	6.5				2026 - Pipeline ROW
415	3102 - Grass	None	9.8				2026 - Pipeline ROW
416	3102 - Grass	None	4.4				2026 - Pipeline ROW