



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52174

Entry Year 2025

Acreage: 998

County Cheboygan

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: John Scheele

Legal Description:

T34N - R2W Sections 2, 3, 10, 11, and 13.

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

A Grayling-Rubicon Association of excessively drained, sandy soils is in the north, a Rubicon-Blue Lake Association of well drained, sandy soils is in west, southwest and a Fairport-Onaway Association of well drained, loamy soils is in the southeast parts of the compartment. The topography is nearly level in the north and gently rolling to hilly in the south parts of the compartment.

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

Compartment consists of mainly two separate areas of mostly continuous state ownership. Southern area is landlock by private ownership while the northern area has private ownership surrounding and within the state-owned block. There is a mix of residential, recreational, and agricultural land use within and surrounding the compartment.

Unique Natural Features:

Potential for woodland vole, red-shouldered hawk, northern goshawk, wood turtle, and eastern massasauga. Potential for ram's head lady's-slipper, limestone oak fern, round-leaved orchis, and calypso orchid in cedar swamps. Potential for dry prairie plants in grassy openings. Hill's thistle, rough fescue, Prunus alleghaniensis and pale agoseris.

Archeological, Historical, and Cultural Features:

There are no known features within the compartment at this time.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment is in the Little Sturgeon River watershed and contains a portion of Crumley Creek and some of its tributaries. The Little Sturgeon River and Crumley Creek are high priority trout streams vulnerable to beaver damming. A minimum of 300' no clear-cut buffer should be maintained adjacent to Crumley Creek.

Wildlife Habitat Considerations:

This compartment consists of a mixture of upland and lowland types. The lowland area associated with Crumley Creek supports a variety of species including black bear, white-tailed deer, furbearers, and various amphibians. The upland areas consists of a mixture of aspen, oak, jack and red pine. Some oak will be treated to regenerate for future hard mast while clumps of mature oak will be left for current mast production and for a seed source. Aspen will be treated in this area to provide age-class diversity and early successional habitat. Both of these treatments will benefit a variety of wildlife species including white-tailed deer, wild turkey, ruffed grouse, American woodcock, and various songbirds.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel mining operation is nearly three miles southwest. There may be some potential for sand & gravel within the compartment, but glacial drift is relatively thin in this area. Bedrock is at or near the surface in the area. Past testing for shale and limestone occurred just south and east of the compartment, respectively, and the Afton Quarry is located just over one mile to the northeast. There may be potential for production of shale and/or limestone within the compartment. The Antrim Shale is likely too thin in this area for any potential gas production, and the nearest Antrim production, past or present, is a long way south. There has been some testing of the Collingwood formation in this area in the recent past, but the Collingwood has not proven to be economical to produce to date. Potential for additional drilling of wells in the compartment is considered low at this time. There is no known potential for metallic minerals in this part of the state.

Vehicle Access:

There is good vehicle access in the north portion of the compartment off of M-68. The south portion of the compartment contains good access roads but access to the compartment is limited by surrounding private ownership.

Survey Needs:

None

Recreational Facilities and Opportunities:

No recreational facilities within compartment. Public hunting opportunities are abundant in the north portion of the compartment because of good access. Recreational opportunities are very limited in the south due to limited public access.

Fire Protection:

There is a moderate to significant concern of wildfire potential along M-68 and adjacent to a private campground facility. Area has mature Jack Pine with excessive drained soils and is adjacent to a larger area of Jack pine covertype to the north.

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:

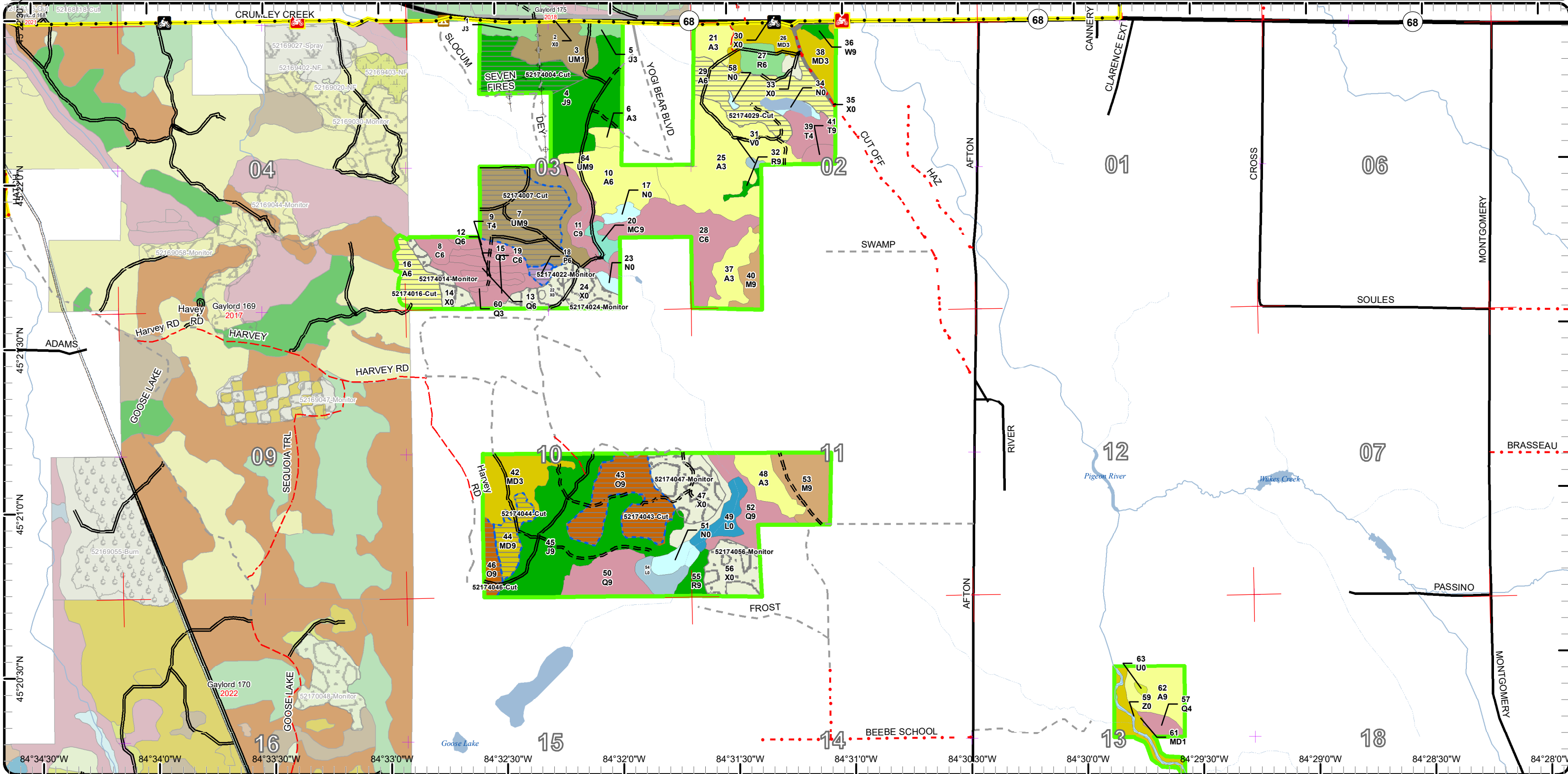
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 174
 T34N,R02W, Sec. 02-04, 10-11, 13
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 997.7 GIS Calculated
 Examiner: John Scheele
 Map Revised: 10/16/2023
 Map Phase: Post-Maps

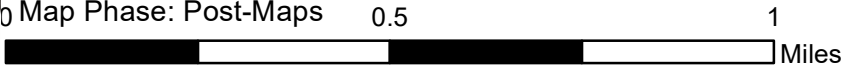


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🏍 Motorcycle Trails (SOS License)
- 🏍 MCCCT Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Bridges
- ▲ Campground
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

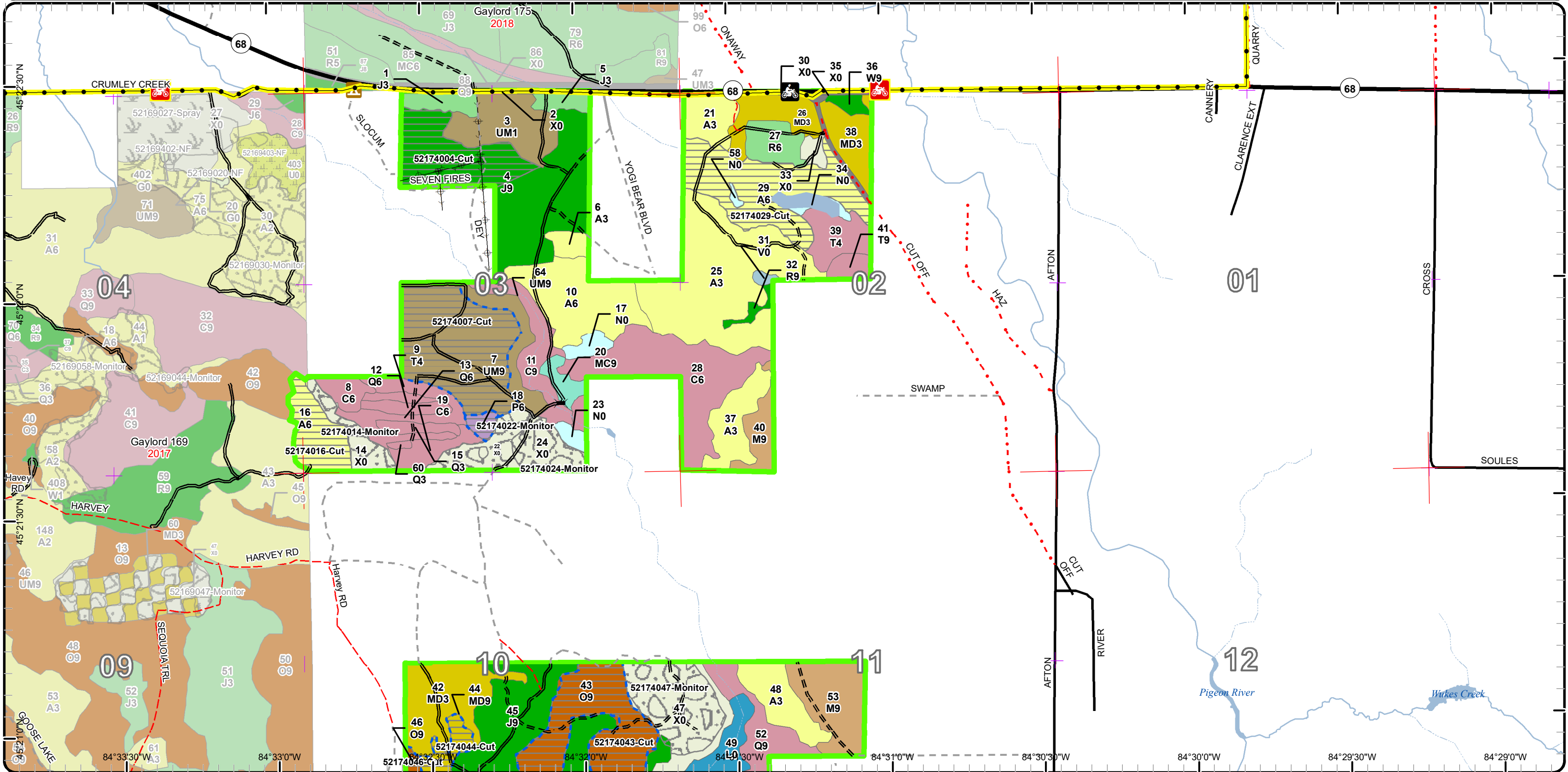


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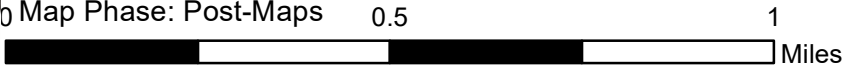


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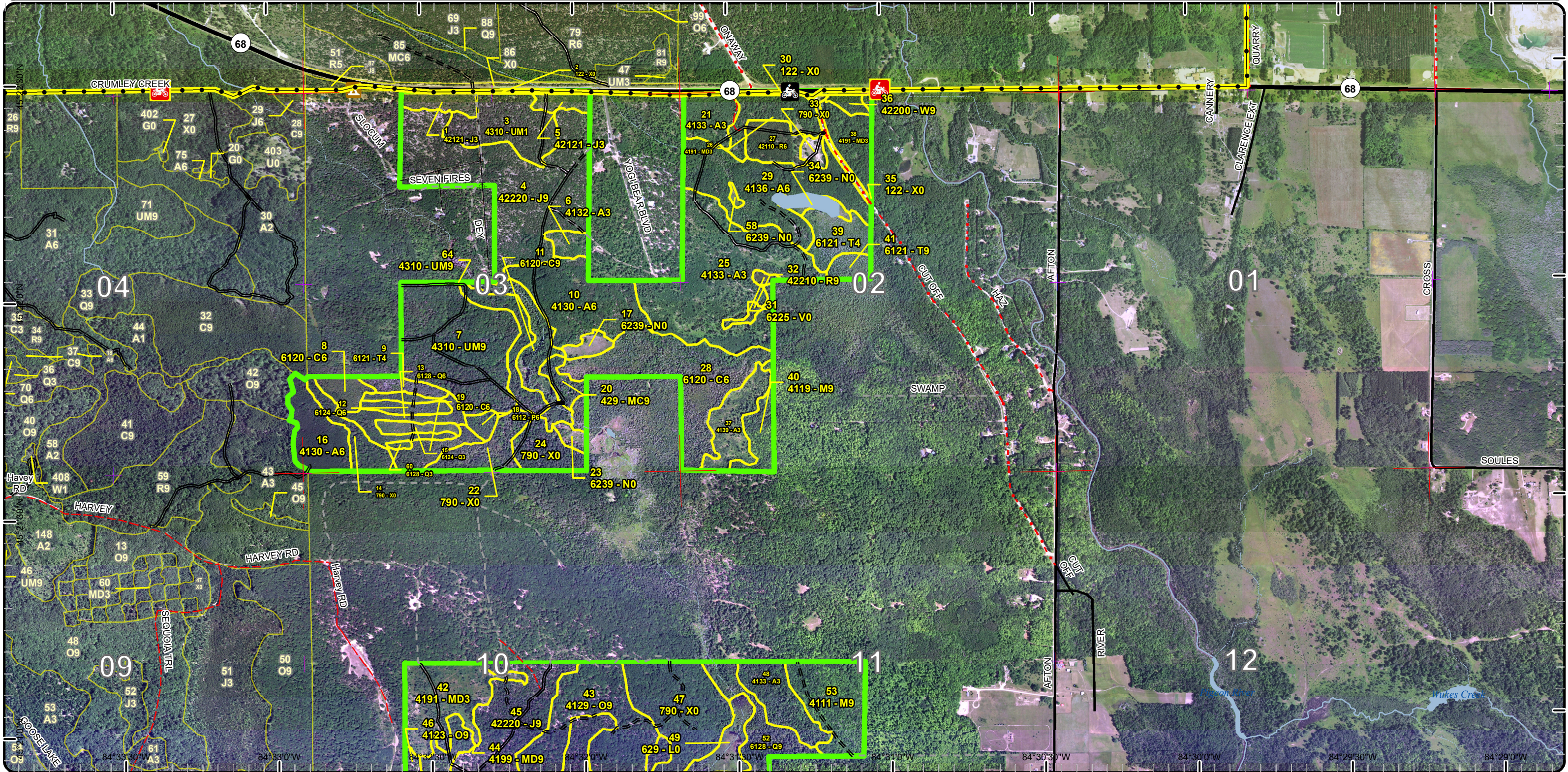


Stand Boundary Map

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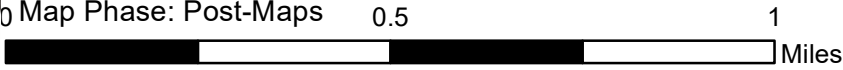


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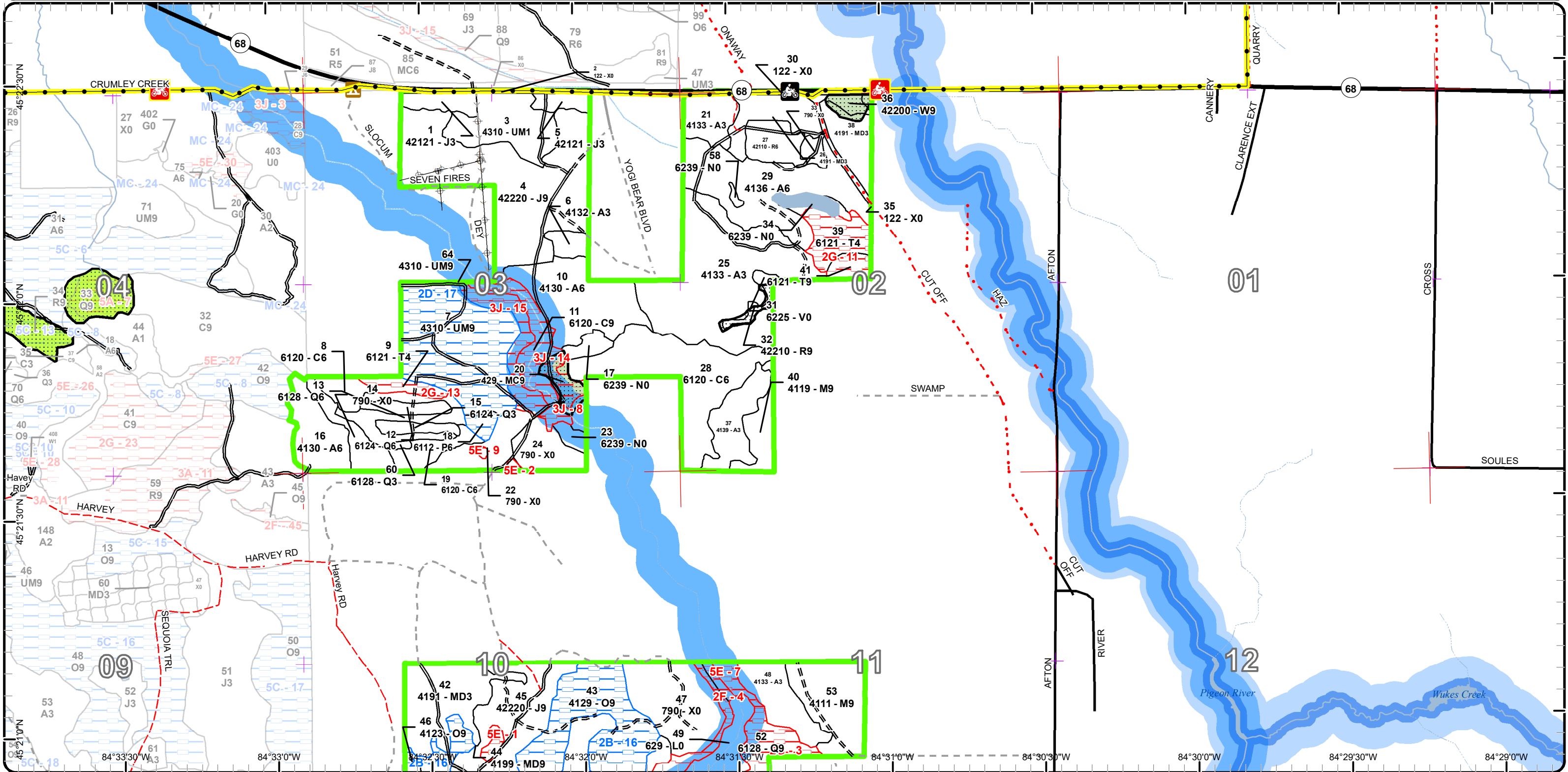


Special Conservation Areas

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- Perennial River
- Lakes and Rivers
- ⚡ Powerline
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 🔴 Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- 🔲 Stand Boundaries
- 🔲 SCA
- 🟦 Natural Rivers Vegetative Buffer
- 🟦 Natural Rivers Zoning District
- 🟦 Cold Water Streams
- 🟦 High Priority Trout Stream Buffer
- 🟦 Recreational/Scenic Value Area
- 🟦 Possible Type 2 Old Growth



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	16	100	0	33	60	0	0	0	0	22	0	0	0	0	0	0	0	231
Bare/Sparsely Vegetated	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	53	8	16	0	0	0	0	0	77
Jack Pine	0	0	10	0	0	74	0	0	0	81	0	0	0	0	0	0	0	0	165
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	5	5	0	6	13	0	44	0	0	0	0	0	0	0	73
Lowland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	26	29	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	81
Northern Hardwood	0	0	0	0	0	0	0	0	0	10	25	0	0	0	0	0	0	0	35
Oak	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	51
Red Pine	0	0	0	0	0	0	0	10	0	7	2	0	0	0	0	0	0	0	19
Tamarack	0	0	0	0	0	0	0	0	0	13	5	0	5	0	0	0	0	0	23
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Upland Mixed Forest	0	23	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	87
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Total	149	65	139	0	51	139	0	19	13	111	217	66	18	16	0	0	0	0	1002



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 174

Total Compartment Acres: 998

Commercial Harvest - 166
 Harvests with Site Condition - 118
 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	60	0	0	0	0	0	0	0	0	60
Jack Pine	106	0	0	0	0	0	0	0	0	106
Lowland Aspen/Balsam Poplar	3	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	13	0	0	0	0	0	0	0	0	13
Oak	50	0	0	0	0	0	0	0	0	50
Upland Mixed Forest	53	0	0	0	0	0	0	0	0	53
Total	285	0	0	0	0	0	0	0	0	285

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	285	0	0	0	0	84	0	0	0	368
Next Step	0	76	76	0	0	361	0	0	0	513
Total	285	76	76	0	0	444	0	0	0	881



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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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Proposed Treatments:

4	52174004-Cut	30.1	42220 - Natural Jack Pine	Sawtimber Well	44	51-80	Harvest	Clearcut with Retention	4311 - Pine, Aspen Mix	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerated. Leave the scattered larger DBH White and Red Pine. Also leave 1 clump of 1 to 3 White Oaks per 5 acres.</p> <p><u>Specs:</u> Cut with snow off to encourage scarification and Jack Pine regeneration. Put retention area in center of stand, west of Dey Road.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a moderate to well stocked mix of Jack Pine and aspen. Aspen with Jack Pine cover type will also be acceptable.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

7	52174007-Cut	52.9	4310 - Pine, Oak Mix	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Final harvest to regenerate. Expand treatment boundary into Stands 9 and 13 where possible. Do not cut any Red Pine or oak trees larger than 24 inches DBH for future legacy trees. Also, do not cut White Oak, which is relatively insignificant in volume. Put in a couple small (1/4 acre maximum) retention pockets around the larger DBH pines located in the northwest corner and center of the stand. A 300 feet 'no cut area' along the Crumley Creek has been excluded from the treatment area per recommendations from Fisheries Division. Total retention including the buffer acreage may be greater than 10% of original stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous and conifer species.</p> <p><u>Other Comment:</u> A portable bridge will be needed to access the stand from the east over Crumley Creek.</p> <p><u>Site Condition</u> Portable Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

16	52174016-Cut	16.7	4130 - Aspen	Poletimber Well	47	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Leave all pine trees, which are insignificant in volume. Put retention along the west boundary to included the small area of pine trees.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	52174018-Cut	2.8	6112 - Lowland Aspen	Poletimber Well	60	Unspecified	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand to regenerate. Leave any pine and oak species if present. Expand treatment boundary to the west where possible.</p> <p><u>Specs:</u> Recommend cutting stand during summer or winter conditions to minimize rutting concerns. No other stand retention due to small stand size.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of aspen and deciduous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Portable Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
29	52174029-Cut	43.4	4136 - Aspen, Mixed Conifer	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Put retention area along the wet drainage in center of stand. Also mark a few oak and pine tree species along Cut Off Road for aesthetics and mast values.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked stand of aspen.</p> <p><u>Other Comment:</u> May want to locate the landing area within Stand 33 to level off old gravel piles and to discourage ongoing trash disposal.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
43	52174043-Cut	40.9	4129 - Mixed Oak	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand to regenerate. Do not cut the White Oak, which is insignificant in volume, or any White and Red Pine >20 inches DBH for stand structure diversity. Place retention areas in the center of the east and west portions of the stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes any combination of moderate to well stocked mix of oak, aspen and coniferous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
44	52174044-Cut	12.7	4199 - Other Mixed Upland Deciduous	Sawtimber Well	100	141-170	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Final harvest stand to regenerate. Leave any trees >26 inches DBH. Put retention along west boundary line on flat topography, adjacent to stand 46.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen and oak species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</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
46 52174046-Cut	8.8	4123 - Red Oak	Sawtimber Well	95	51-80	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Leave the pine spp. and mark a couple clumps of 2 to 4 trees per clump to leave. Put retention pocket along east boundary line, adjacent to Stand 44.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes any combination of a moderate to well stocked mix of oak and deciduous species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

14 52174014-Monitor	9.4	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Check regeneration during next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of deciduous species.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</p>										
22 52174022-Monitor	11.7	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Check regeneration during next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</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
24 52174024-Monitor	12.0	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Check regeneration during next inventory cycle. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2032</p>										
45 52174045-CCWR	76.2	42220 - Natural Jack Pine	Sawtimber Well	85	Unspecified	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Harvest stand to regenerate. Stand must be chipped to promote natural regeneration. Leave White Pine, Red Pine, and oak species. Place within stand retention in areas containing higher concentrations of oak. Leave 100 foot buffer to Crumley Creek. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr) <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked stand of Jack Pine. Trench and plant if natural stocking level is not achieved after 2 years from harvest. <u>Regen:</u> <u>Other</u> Access stand through private property to the northwest. Clearcut in summer to disturb soil and promote natural regeneration. Old next step comments: Regeneration survey. Acceptable regeneration includes a moderate to well stocked stand of Jack Pine. Trench and plant if natural stocking level is not achieved after 2 years from harvest. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2014</p>										
47 52174047-Monitor	29.3	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription</u> Check regeneration during next inventory cycle. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked mix of oak, aspen and coniferous species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2032</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
56 52174056-Monitor	21.2	790 - Other Bare/Sparsely Vegetated	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Check regeneration during next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</p>										

Total Treatment Acreage Proposed: 368.1

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 174
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			2B	2D	2F	2G	3J	5E		
231	209	22		0	Aspen	22						
95	87	0		8	Bare/Sparsely Vegetated			7				1
1	1	0		0	Bog							
77	61	0		16	Cedar					16		
165	162	0		3	Jack Pine							3
1	0	1		0	Low-Density Trees	1						
3	0	3		0	Lowland Aspen/Balsam Poplar		3					
72	22	6		44	Lowland Conifers	6		2	39			3
20	20	0		0	Lowland Shrub							
19	19	0		0	Marsh							
81	55	26		0	Mixed Upland Deciduous	26						
35	35	0		0	Northern Hardwood							
51	0	51		0	Oak	51						
19	12	0		7	Red Pine					7		
22	0	0		22	Tamarack				22			
5	0	0		5	Upland Conifers					5		
87	23	53		12	Upland Mixed Forest		53			12		
9	9	0		0	Urban							
3	0	3		0	Water	3						
3	3	0		0	White Pine							
998	717	163		117	Total Forested Acres	108	56	9	61	40		8
	72%	16%		12%	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	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Stand retention for Stand 45.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
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Year of Entry: 2025

2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand retention for Stand 24.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2F: Too steep	9	5E: Long-Term Retention	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified
Comments: Also is retention for Stand 47.							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Recommended for disposal. Isolated parcel with no legal access. Currently going through the review process.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Long-term retention for Stand 48.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
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Compartment: 174
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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand retention for Stand 22.							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Probably should have treated stand with adjacent timber sale from last inventory. Acquiring access permission from adjacent landowner was fairly difficult for adjacent stand in Frost Trail Mix sale. Leave for stream protection and other conservation values.							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low volume of merchantable trees in stand as well. Will try and expand treatment boundary into stand when setting up adjacent stand for harvest.							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No management recommended. Factor Limit for BMPs, unique stand etc. Leave stand as BMP buffer for drainageways leading to Crumley Creek.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 174
Year of Entry: 2025

15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: 300 feet 'no cut area' along the Crumley Creek as recommended by Fisheries Division. Area also serves as stand retention. Total retention and buffer acreage may be greater than 10% of original stand.</p>							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	64	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Contact landowners to the north or west during YOE to see if access through private property is possible.</p>							
17	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	56	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
1	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	6.1	14	Immature	N/A	Cut in 2006 and planted in 2008.																																										
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Black/Red (Hybrid) Oak	30	Sapling	1																																														
2	122 - Road/Parking Lot	Nonstocked	2.5		Unspecified	No	M-68 Highway.																																										
3	4310 - Pine, Oak Mix	Sapling Poor	22.8	3	Immature	N/A	Stand was cut in 6/2019 as part of Cut Off Road Mix 52-119-19. Tops were supposed to be chipped but was waived due to market conditions. Variable levels of Jack Pine stocking levels. Some pockets of full regeneration of 2 to 3 feet tall Jack Pine as well as other pockets of minimal stocking of 1 - 3 feet. Should be fully stocked by next YOY.																																										
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4	42220 - Natural Jack Pine	Sawtimber Well	73.8	44	51-80	N/A	Variable Jack Pine DBH from 5 to 10 inches. Short and very branchy Jack Pine. Canopy closure is 75%. Some dead Jack Pine with blowdown. Larger DBH trees along west boundary and in southwest corner of stand. Some scattered, larger DBH trees. Poor quality aspen.																																										
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6	4132 - Aspen, Jack Pine	Sapling Well	4.3	15	Immature	N/A	Plow line around stand. Possible past wildfire in the last 10 years.																																										
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7	4310 - Pine, Oak Mix	Sawtimber Well	52.9	90	81-110	N/A	Nice, very tall Red and White Pines. Jack Pine is dying out. Variable DBH for aspen and Jack Pine. There are scattered legacy and xlog-sized trees throughout the stand and especially adjacent to the Crumley Creek. Red Pine DBH range from 5 to 20+ inches. There is a fairly steep drainage in the east part of the stand flowing into Crumley Creek.																																																																			
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8	6120 - Lowland Cedar	Poletimber Well	5.9	100	111-140	N/A	Fairly dense stand of White Cedar with some larger DBH cedar along the west edge of stand. Some slash and lots of elk tracks.																																																																			
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9	6121 - Tamarack	Poletimber Poor	4.9	91	1-50	N/A	Some slash and blowdown. Some dying tops. Too wet.																																																																			
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10	4130 - Aspen	Poletimber Well	32.9	36	51-80	N/A	Fairly tall, good quality aspen. Pocket of Jack Pine around private property boundary. Some areas of log-sized trees. Aspen DBH range is 4 - 10 inches. Rolling terrain.																																																																			
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11	6120 - Lowland Cedar	Sawtimber Well	16.0	120	Unspecified	N/A	Crumley Creek valley.																																									
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12	6124 - Lowland Spruce-Fir	Poletimber Well	4.6	48	1-50	N/A	This stand seems much denser with conifer spp. than Stands 13 and 60.																																									
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13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.9	70	81-110	N/A	Variable DBH cedar with some larger trees along the western edge of stand. Slash occurring. Lots of elk and deer tracks.																																									
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14	790 - Other Bare/Sparsely Vegetated	Nonstocked	9.5	0	Unspecified	No	Stand was just cut (1/2023) as part of Harvey Road Mix (52-120-15). Everything cut except oak and pine species.																																									
15	6124 - Lowland Spruce-Fir	Sapling Well	4.0	36	1-50	N/A	Stand appears wetter than Stand 60. Little Red Maple or aspen spp. compared to Stand 60.																																									
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16	4130 - Aspen	Poletimber Well	16.9	47	111-140	N/A	Nice quality aspen with some log-sized trees. Some blowdown along western edge of stand. Lots of elk and deer tracks. Seen 10 elk in adjacent compartment.																																															
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17	6239 - Mixed Emergent Wetland	Nonstocked	3.8		Unspecified	No																																																
18	6112 - Lowland Aspen	Poletimber Well	2.9	60	Unspecified	N/A	Aspen is poor quality with some Balsam Fir slash occurring. Some log size Red Maple. Lots of deer/elk tracks. Ground is operable and not real wet but gets wetter with more blowdown along the west boundary.																																															
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19	6120 - Lowland Cedar	Poletimber Well	7.6	110	111-140	N/A	Decent quality cedar on drier ground but still fairly wet. Fair amount of old slash. Variable DBH with some larger sized cedar.																																															
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20	429 - Mixed Upland Conifers	Sawtimber Well	5.2	110	81-110	N/A	Large diameter, older-growth White and Red Pine. Pockets of blowdown and aspen is over mature. Pockets of lower ground within stand which drain into Crumley Creek. Stand buffers Crumley Creek and a couple drainages leading into stream. BA is 97.																																															
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21	4133 - Aspen, Mixed Pine	Sapling Well	10.9	16	Immature	N/A	Stand was cut in 2006 as part of Yogi Mix 52-105-05.																																										
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22	790 - Other Bare/Sparingly Vegetated	Nonstocked	13.4	0	Unspecified	No	Stand was cut in 2/2023 as part of Harvey Road Mix (52-120-15). Everything cut except pine and oak species.																																										
23	6239 - Mixed Emergent Wetland	Nonstocked	2.7	0	Unspecified	No	Old beaver pond area that is dried up.																																										
24	790 - Other Bare/Sparingly Vegetated	Nonstocked	11.8	0	Unspecified	No	Stand was cut in 2/2023 as part of Harvey Road Mix (52-120-15). Everything cut except pine, oak and spruce species.																																										
25	4133 - Aspen, Mixed Pine	Sapling Well	69.3	16	Immature	N/A	Stand was cut in 2006 as part of Yogi Mix 52-105-05.																																										
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26	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	13.6	5	Immature	N/A	Stand was cut in 3/2018 as part of Cut Off Road Mix (52-119-15-01). Some blow down within stand from windstorm.																																										
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27	42110 - Planted Red Pine	Poletimber Well	9.9	60	111-140	N/A	Stand was thinned in 2018 as part of Cut Off Road Mix (52-119-15-01). Pocket of blowdown in northwest corner of stand. Some individual trees bending over. Variable BA throughout stand. Overall BA is 111.																																										
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28	6120 - Lowland Cedar	Poletimber Well	47.3	105	Unspecified	N/A	Poor quality.																																																												
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29	4136 - Aspen, Mixed Conifer	Poletimber Well	43.4	48	81-110	N/A	Area of low ground/drainage with predominately cedar and tag alder in center of stand going eastward. Rolling terrain with upland and lower land. Better quality and larger DBH trees along Cut Off Road.																																																												
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30	122 - Road/Parking Lot	Nonstocked	3.4		Unspecified	No	M-68 Highway.																																																												
31	6225 - Bog	Nonstocked	1.2		Unspecified	No																																																													
32	42210 - Natural Red Pine	Sawtimber Well	2.3	90	111-140	N/A	Pine was left from last timber harvest. Jack Pine dying out. BA is120																																																												
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33	790 - Other Bare/Sparsely Vegetated	Nonstocked	2.9		Unspecified	No	Old gravel, borrow pit.																																																												
34	6239 - Mixed Emergent Wetland	Nonstocked	4.0		Unspecified	No	Shrubs, grasses, and cattails.																																																												
35	122 - Road/Parking Lot	Nonstocked	2.9		Unspecified	No	Cut Off Road.																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
36	42200 - Natural White Pine	Sawtimber Well	2.6	90	141-170	N/A	Very tall, very good quality White Pine. DBH range is 8 - 20+ inches. Blowdown along the west and south sides of the stand from strong windstorm. Large diameter slash within stand. Steep slope along the north boundary to M-68. BA is 150.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Oak		5	Log/XLog	14		White Pine		
Red Pine		20	XLog/Log	20		High		
Red Oak		5	Log/XLog	14		5 - 10 feet		
White Pine		60	Log/XLog	16	90	Sapling		
Bigtooth Aspen		10	Log	12				
37	4139 - Aspen, Mixed Deciduous	Sapling Well	15.5	16	Immature	N/A	Stand was cut in 2006 as part of Yogi Mix 52-105-05. Unusually rocky area in south center part of stand. Slate stone.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Poplar		15	Sapling	2		Balsam Fir		
Choke Cherry		10	Sapling	3		Medium		
White Pine		10	Log	12		White Spruce		
White Oak		5	Log	10		Low		
Quaking Aspen		58	Sapling	3	16	< 5 feet		
Northern White Cedar		2	Pole	6		White Pine		
						Low		
						5 - 10 feet		
						Sapling		
38	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	12.6	5	Immature	N/A	Stand was cut in 3/2018 as part of Cut Off Road Mix (52-119-15-01). Some blow down within stand and along edges from windstorm.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Pine		20	Log	11				
Black/Red (Hybrid) Oak		25	Sapling	1	5			
White Pine		10	Log/Pole	10				
White Oak		10	Log/Pole	12				
Bigtooth Aspen		35	Sapling	1	5			
39	6121 - Tamarack	Poletimber Poor	12.6	85	1-50	N/A	Mostly dead tops. Stand transitions into a full canopy closure tamarack stand to the south.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Tamarack		90	Pole/Sapling	6	85	Tag Alder		
Black Spruce		10	Sapling/Pole	4		High		
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						5 - 10 feet		
						Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
40	4119 - Mixed Northern Hardwoods	Sawtimber Well	9.6	80	81-110	N/A	Lower quality hardwood with lower BA. Fairly diverse tree species. Some birch is still alive. BA is approximately 95.																																																															
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41	6121 - Tamarack	Sawtimber Well	4.6	110	81-110	N/A	Too wet.																																																															
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42	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	28.7	14	Immature	N/A	Stand cut in 2008 as part of Octopus Mix 52-127-06. Steep slope along the west boundary line. A few scattered oak and White Pine trees left from previous harvest. Pockets of high White Pine regeneration, cover type. White Pine is short and very branchy.																																																															
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43	4129 - Mixed Oak	Sawtimber Well	41.9	95	81-110	N/A	Variable stand of oak. Aspen and Jack Pine are overmature with some Jack Pine dying out and creating slash. Some scattered 18+ DBH Oaks. Pockets of pine canopy cover and pocket s of high oak regeneration.																																																															
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44	4199 - Other Mixed Upland Deciduous	Sawtimber Well	12.7	100	141-170	N/A	Stand is located on a mostly south and east facing slope. Pocket of over mature aspen in the south part of stand.																																																						
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45	42220 - Natural Jack Pine	Sawtimber Well	81.3	85	Unspecified	N/A	Currently part of Harvey Road Mix sale (52-120-15). Should be cut later this summer.																																																						
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46	4123 - Red Oak	Sawtimber Well	8.8	95	51-80	N/A	Unknown past harvest records. Some trees appear to have been removed in last 15 years or so.																																																						
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47	790 - Other Bare/Sparsely Vegetated	Nonstocked	36.3	0	Unspecified	No	Stand was cut in 9/2022 as part of Harvey Road Mix 52-120-15. Everything cut except Red Pine and marked oak trees.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48	4133 - Aspen, Mixed Pine	Sapling Well	15.8	4	Immature	N/A	Stand was cut in 4/2019 as part of Frost Trail Mix 52-121-15. Pine, oak, hemlock and cedar was left. Pockets of moderate to high regeneration. Pockets of conifer canopy.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Log/XLog	17	
Quaking Aspen	5	Sapling	1	
Bigtooth Aspen	46	Sapling	1	4
Red Pine	10	Log	12	
White Oak	2	Log/Pole/Sap	10	
Balsam Fir	5	Sapling	1	
Red Oak	2	Log/Pole	10	
Northern White Cedar	5	Log/Pole	11	
Paper Birch	5	Sapling	1	

49	629 - Mixed non-forested wetland	Nonstocked	11.3		Unspecified	No	Series of beaver dams.
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50	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	24.0	95	Unspecified	N/A	Water drainage along north side of stand leading to Crumley Creek to the east. Fair amount of slash beginning to occur. Aspen is over mature with stand converting to a more conifer cover type.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	25	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
Tamarack	5	Log/Pole	10		White Spruce	High	Variable	Sapling
Balsam Fir	8	Pole/Log	8		Red Maple	Low	>20 feet	Sapling
Red Maple	10	Log/Pole	10					
White Pine	2	XLog/Log	18					
Quaking Aspen	25	Log	12					
White Spruce	25	Log	12	95				

51	6239 - Mixed Emergent Wetland	Nonstocked	7.4		Unspecified	No	Beaver dam is east part of stand.
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52	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	20.2	90	Unspecified	N/A	Factor Limit as too wet. Significant blowdown in pockets with variable DBH cedar. Small area of high ground in center of stand, adjacent to private corner.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	8		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Paper Birch	10	Pole/Log	9		Balsam Fir	High	Variable	Sapling
Quaking Aspen	20	Log	14		Aspen (spp.)	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole/Log	9					
Northern White Cedar	45	Log/Pole	11	90				
White Spruce	5	Log/Pole	12					
White Pine	5	XLog/Log	18					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
53	4111 - S.Maple, Hard Mast Association	Sawtimber Well	25.1	90	81-110	N/A	Thinned in 7/2020 as part of Frost Trail Mix 52-121-15. Nice quality hardwood. Nice marking job from last YOE and harvest. Beech is alive but dying out. All ash has died out. A few missed trees that were not cut. Current BA is 90.																																																																		
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54	6220 - Alder/willow	Nonstocked	8.4		Unspecified	No																																																																			
55	42210 - Natural Red Pine	Sawtimber Well	6.8	85	81-110	N/A	Tall, nice quality Red Pine. West facing slope toward water. Variable DBH (8 - 22+ inches) and variable BA. Average BA is approximately 100.																																																																		
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56	790 - Other Bare/Sparsely Vegetated	Nonstocked	21.6	0	Unspecified	No	Stand was cut in 2/2023 as part of Frost Trail Mix 52-121-15. Everything cut except teal marked trees.																																																																		
57	6123 - Lowland Fir	Poletimber Poor	5.8	68	51-80	N/A	Fair amount of older slash. Converting to a Black Ash stand. Aspen is dying out and falling over. Canopy closure is 50%.																																																																		
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58	6239 - Mixed Emergent Wetland	Nonstocked	0.7	0	Unspecified	No	Shrubs and grasses.																																																																		
59	500 - Water	Nonstocked	3.1		Unspecified	No	Pigeon River.																																																																		



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60	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	0.7	31	Immature	N/A	Appears to be a wildlife cut in 1991 from the parent Stand 13. Height of stand is about 30 feet tall. Some individual trees are about 40 feet tall.																																																																					
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61	4199 - Other Mixed Upland Deciduous	Sapling Poor	12.9	30	Immature	N/A	Close to 25% canopy closure. Some old slash throughout stand.																																																																					
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62	4139 - Aspen, Mixed Deciduous	Sawtimber Well	21.6	90	141-170	N/A	Mostly Big Tooth Aspen along the east boundary and Quaking Aspen along the west boundary. Aspen is overmature with trunk rot and some larger DBH trees. Rolling terrain leading down towards the river. Slash is beginning to occur. Full understory. Old railroad grade runs through from southeast corner to northwest corner through stand.																																																																					
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63	3303 - Mixed Low Density Trees	Nonstocked	0.8		Unspecified	No	Miscellaneous old trash along edge of opening. Possible historical site where old railroad grade runs through opening.																																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
64	4310 - Pine, Oak Mix	Sawtimber Well	11.6	90	81-110	N/A	Nice, very tall Red and White Pines. Jack Pine is dying out. Variable DBH for aspen and Jack Pine. There are scattered legacy and xlog-sized trees throughout the stand and especially adjacent to the Crumley Creek. Red Pine DBH range from 5 to 20+ inches. There is a fairly steep drainage in the east part of the stand flowing into Crumley Creek.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		20	Log/Pole	11		White Pine		Medium	Variable	Sapling	
White Pine		10	Log/XLog	16		Balsam Fir		Medium	Variable	Sapling	
Jack Pine		2	Log/Pole	11		Red Pine		Medium	Variable	Sapling	
White Spruce		2	Pole/Log	8							
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