



# Compartment Review Presentation

**Gaylord Forest Management Unit**

**Compartment 52045**

**Entry Year 2022**

**Acreage: 2,570**

**County Antrim**

**Management Area: Jordan Valley**

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**Revision Date:** 2020-03-08

**Stand Examiner:** Zach Crew

**Legal Description:**

T31N R05W, Sec 1-3, 10-12

**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:**

This compartment is very hilly with many abrupt changes in topography. The dominant soil type is Kalkaska Loamy sand. Tawas muck is associated with the westlands along the South Branch of the Boyne River.

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

This is a solid block of state ownership. There are many different private parcels located along the exterior of the compartment boundary. An active railroad corridor owned by MDOT and leased to the Great Lakes Railroad Company bisects the eastern portion of the compartment. Two overhead electric line easements also cross through the compartment and numerous Antrim gas wells are in production.

**Unique Natural Features:**

None known

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

Large portions of Section 10 were historically grazed under the permission of Department use permits. Unauthorized grazing continued long after the last permit expired in 1998. With the assistance of LED, efforts began in 2009 to halt grazing and remove cattle fences from state land. There is still roughly 3800 feet of 4 stand barbed wire fence around stand 46.

**Special Management Designations or Considerations:**

Portions of the South Branch of the Boyne River run through this compartment and it is designated as a Cold Water Trout Stream.

**Watershed and Fisheries Considerations:**

This compartment contains portions of the South Branch of the Boyne River, within the larger Boyne River Watershed. Since all streams are designated trout streams, and some treatments near very wet areas, buffers should be applied and adhered to. Proposed buffers and treatments along streams appear to be adequate.

**Wildlife Habitat Considerations:**

This compartment was purchased with the State Game Funds and therefore the northern hardwoods and aspen will be managed in a manner consistent with providing wildlife habitats for species like deer, turkey, and grouse, along with non-game species that benefit from such management.

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

Active sand/gravel pits are located just outside the compartment, in Section 2. There appears to be some sand & gravel potential within the compartment on the uplands. The compartment has been developed for Antrim Shale gas production and nearly all state-owned mineral rights in this area are currently under lease and in production. There is low potential for additional Antrim development within the compartment, and there is no known potential for production from any other known hydrocarbon-bearing formations in this area. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

Vehicle access is fair throughout the compartment, there are plenty of gas well roads that allow access. The topography does make access difficult in a few areas though.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

The North Country Trail Runs through the southern third of the compartment. A small portion of snowmobile trail 76 runs through the NW corner.

**Fire Protection:**

Fire protection for this compartment is provided out of the Bellaire Field Office. Forest types in this area do not exhibit characteristics that would make them prone to large scale fire events. However, topography of the area could make some fires difficult to access.

**Additional Compartment Information:**

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

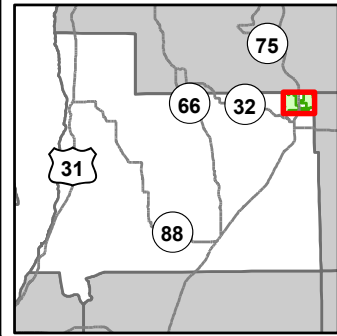
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

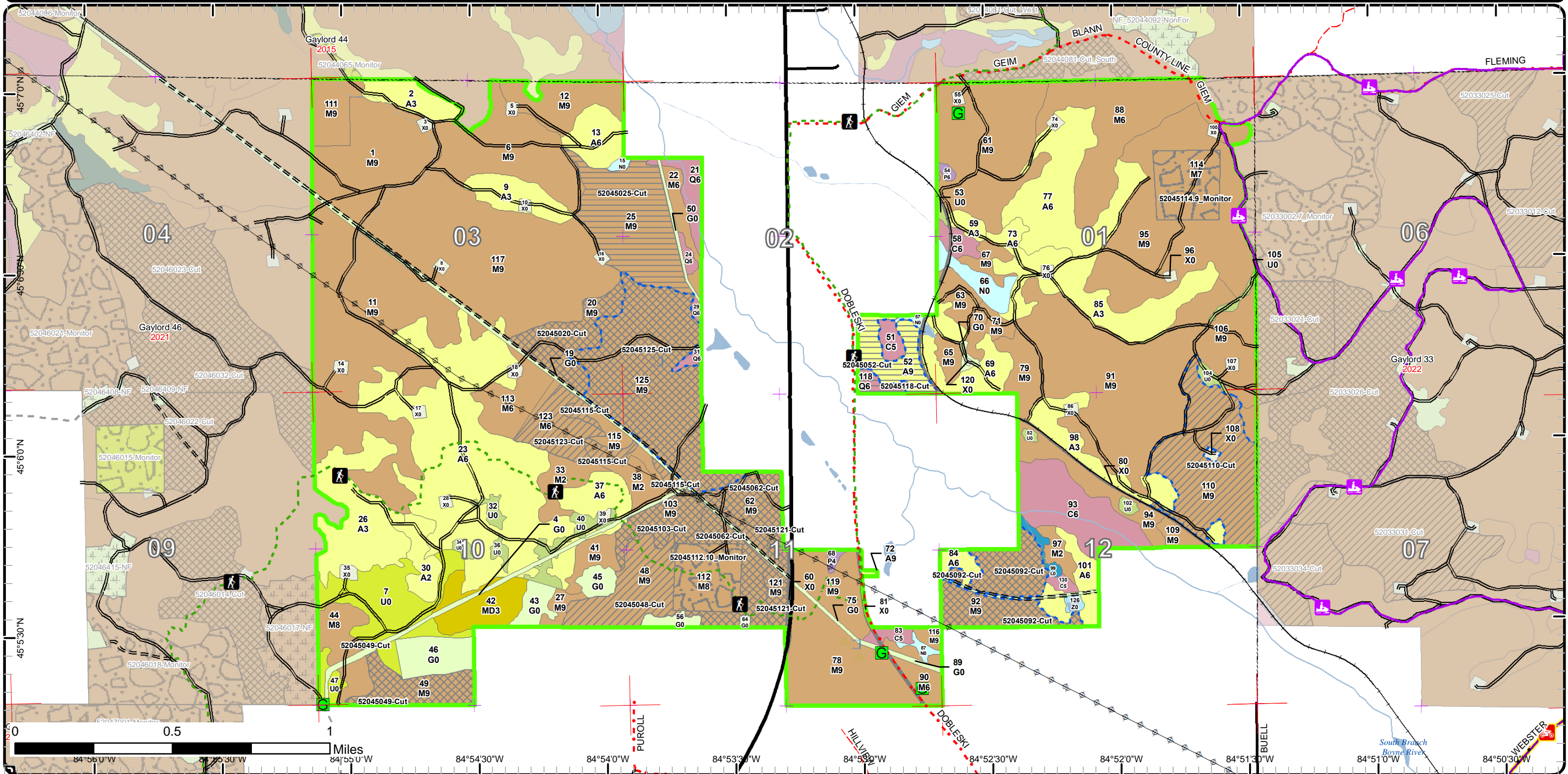
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 45  
 T31N, R05W, Sec. 1-3, 10-12  
 County: Antrim  
 Unit: Gaylord  
 Mgmt Area: Jordan Valley  
 YOE: 2022  
 Acres: 2,570 GIS Calculated  
 Examiner: Zach Crew  
 Map Revised: 11/20/2020  
 Map Phase: Post-Review

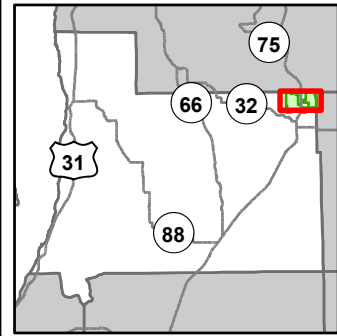


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Hiking Trails
- Snowmobile Trails
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- Berms
- Gate
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated

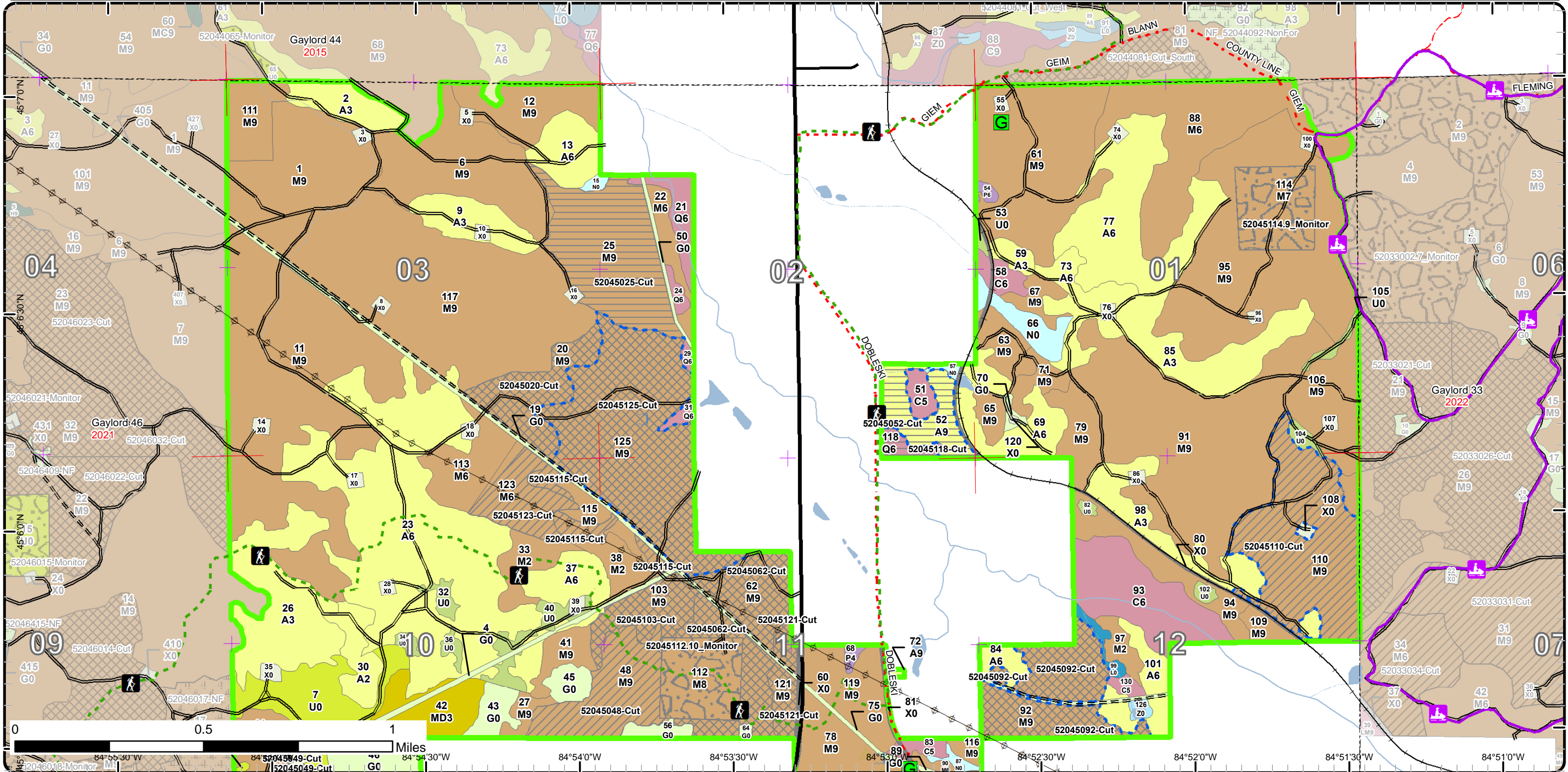


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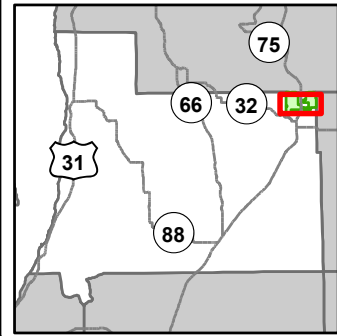


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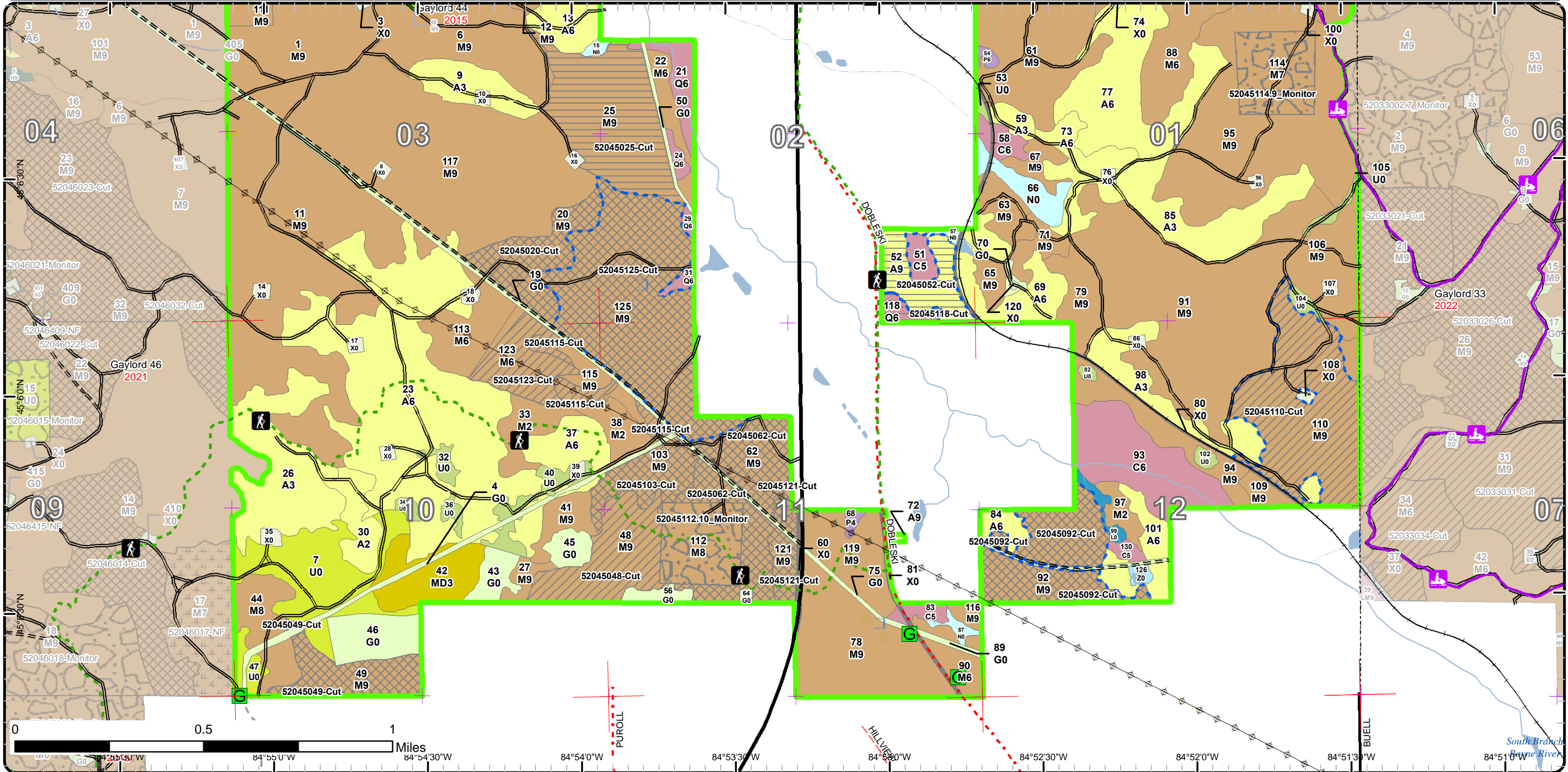


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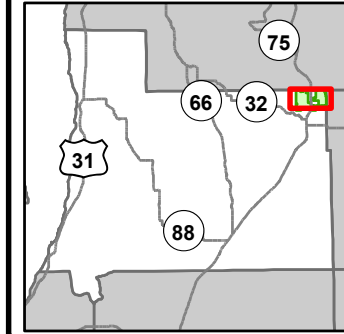




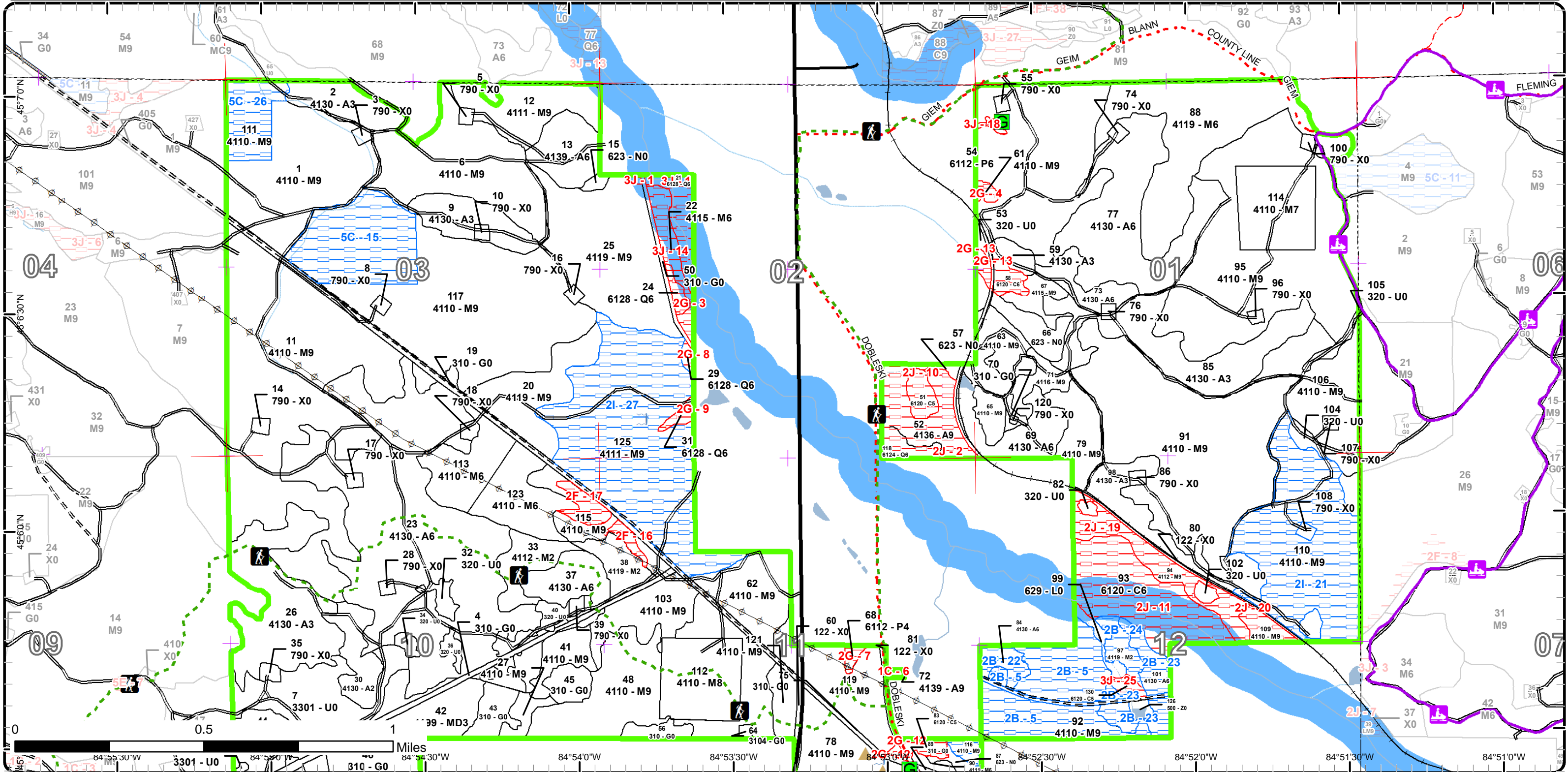


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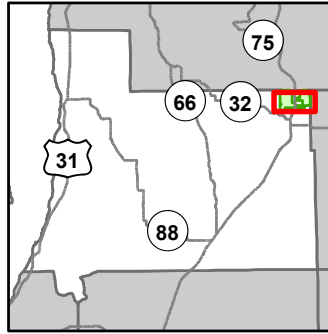
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- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



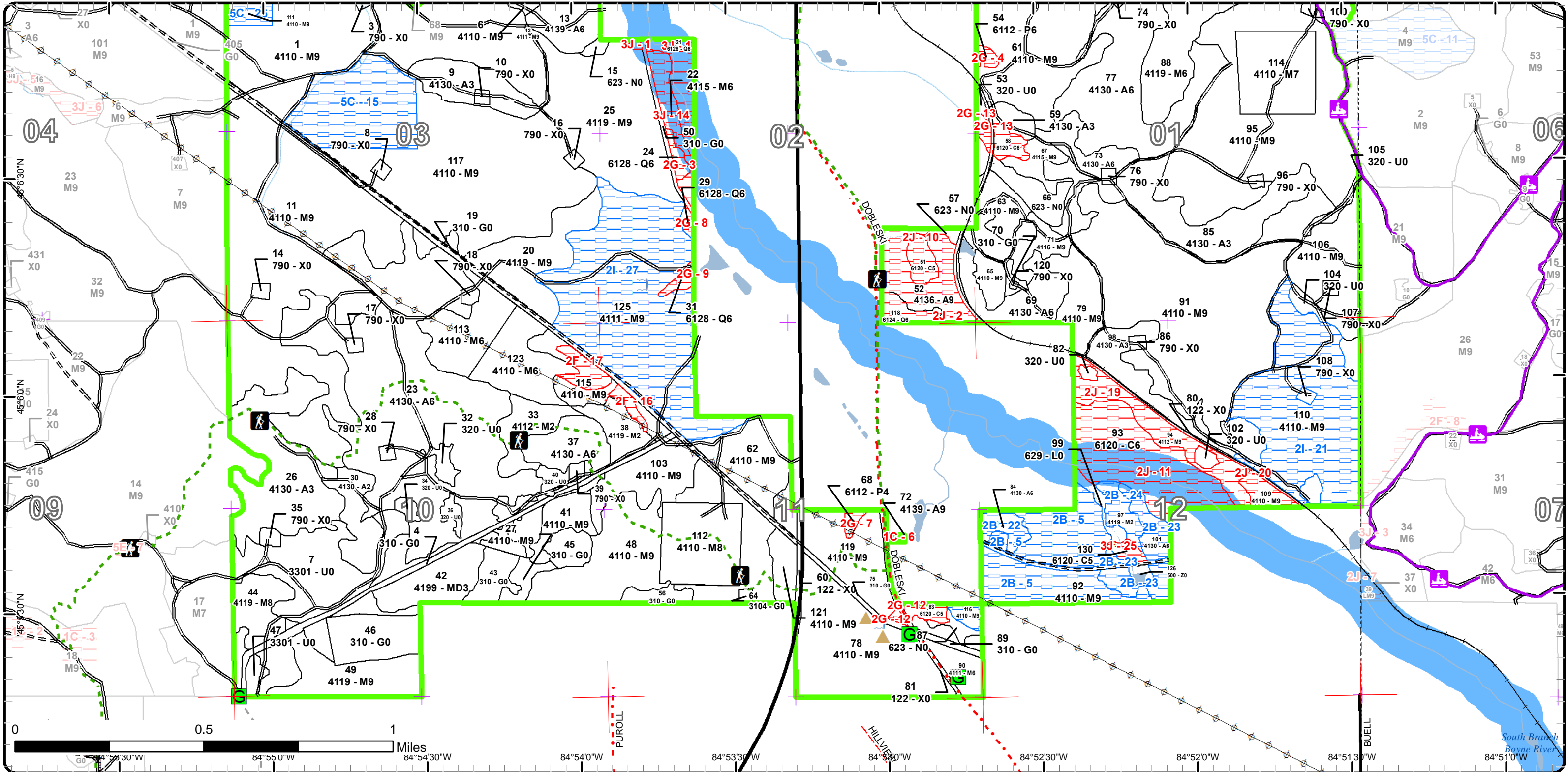


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Report 1 – Total Acres by Cover Type and Age Class



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	19	18	165	301	0	0	0	0	22	0	0	0	0	0	0	0	0	524
Bare/Sparsely Vegetated	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Cedar	0	0	0	0	5	0	0	0	0	6	43	6	0	0	0	0	0	0	60
Herbaceous Openland	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Low-Density Trees	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	5	0	11	6	0	0	0	0	0	0	22
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Marsh	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	10	0	0	20	0	0	0	0	607	1018	68	0	0	0	0	0	0	1723
Upland Shrub	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>212</b>	<b>53</b>	<b>18</b>	<b>165</b>	<b>326</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>635</b>	<b>1072</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2566</b>



## Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 45

Total Compartment Acres: 2,570

Commercial Harvest - 267  
 Harvests with Site Condition - 263  
 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	21	0	0	0	0	0	0	0	0	21
Lowland Conifers	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	62	293	0	0	0	148	0	0	0	503
<b>Total</b>	<b>89</b>	<b>293</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>148</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>530</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	530	0	0	0	0	0	58	0	0	588
Next Step	0	0	0	0	0	0	382	0	0	382
<b>Total</b>	<b>530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>440</b>	<b>0</b>	<b>0</b>	<b>970</b>



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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**Approved Treatments:**

<b>20</b>	<b>52045020-Cut</b>	29.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	85	111- 140	Harvest	Single Tree Selection	4116 - Mixed N. Hardwood - Aspen	Uneven- Aged	No
<p><u>Prescription</u> Thin stand with a target residual of ~80 BA. Individual areas may range from 0 to 100 BA.</p> <p><u>Specs:</u> Establish regen gaps around clones of over mature aspen. Gap boundaries should be a minimum of 1/2 chain away from the nearest aspen stem.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of deciduous species, with aspen being the dominant species in canopy gaps.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>25</b>	<b>52045025-Cut</b>	62.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	95	111- 140	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, establish retention around areas of the stand too steep to harvest, mark out individual trees to protect Yellow Birch trees,</p> <p><u>Specs:</u> this may result in close to or slightly greater than 10 percent stand retention.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of deciduous species (red maple, aspen, basswood, sugar maple) that meets minimum stocking criteria</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
<b>48</b>	<b>52045048-Cut</b>	38.1	4110 - Sugar Maple Association	Sawtimber Well	85	111- 140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Very high quality log stand. Mark to cut stand with a target residual BA no lower than 80. Individual areas may range from 70 to 100 BA.</p> <p><u>Specs:</u> Most of the ash and beech has fallen out of the stand already</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Be sure to include hiking trail protection specs. Access will more than likely be through private property.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
49	52045049-Cut	24.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	85	111-140	Harvest	Single Tree Selection	4116 - Mixed N. Hardwood - Aspen	Uneven-Aged	No
<p><u>Prescription</u> Mark stand to cut with a residual BA of ~80. Establish clear gaps around aspen clones that are healthy and clumps of over mature basswood. Individual areas may range from 0 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of sugar maple, basswood, and aspen. Aspen should dominate in pockets where it is clear cut.</p> <p><u>Regen:</u></p> <p><u>Other</u> Stand will need to be marked in a different color than orange due to old paint not completely faded.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
52	52045052-Cut	21.3	4136 - Aspen, Mixed Conifer	Sawtimber Well	82	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, standard retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of species with aspen as a dominant component that meets minimum stocking criteria.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention should be focused around stand 57 (to buffer the small stream). Do not cut hemlock.</p> <p><u>Comment:</u> Mark trees to leave to protect hemlock and some yellow birch from wind throw and sun scald.</p> <p><u>Site Condition</u> Blocked by Railroad</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
62	52045062-Cut	48.9	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark stand, target BA ~80 overall. Establish regen gaps at 100 feet in diameter where applicable (at least 1 per 5 acres). Individual areas may range from 0 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of desirable deciduous species (sugar maple, basswood, red maple, yellow birch) that meets minimum stocking criteria.</p> <p><u>Regen:</u></p> <p><u>Other</u> Attempt to gain access from private to the north or south if possible. Protect NCT during logging operations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
92	52045092-Cut	48.2	4110 - Sugar Maple Association	Sawtimber Well	90	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Mark to cut with a Residual BA of 70-90. Establish regen gaps where advanced sugar maple regen is present or over mature basswood makes up more than 2/3 of the existing BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of sugar maple, basswood, and to a lesser extent red maple, aspen and yellow birch that meets minimum stocking criteria and isn't dominated by ironwood and/or beech.</p> <p><u>Regen:</u></p> <p><u>Other</u> Trying to ascertain access to the stand currently.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
103	52045103-Cut	20.6	4110 - Sugar Maple Association	Sawtimber Well	95	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand with a target BA of ~80. Establish regen gaps at least 100' in diameter at a rate of 1 per 5 acres. Individual areas may range from 0 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of desirable deciduous species (sugar maple, basswood, red maple, aspen) that meets minimum stocking standards</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect NCT during logging operations.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
110	52045110-Cut	78.1	4110 - Sugar Maple Association	Sawtimber Well	85	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand with a target of ~80 BA. Cut all beech except those that would make good wildlife or den trees. Do not cut oak. Individual areas may range from 60 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> This harvest if for the purpose of identifying crop trees, not regeneration. Utilize trail protection specs. Portions of the stand were excluded from the treatment due to low BA due to Ash and Beech mortality. Survey request submitted. If survey not completed back off 1/2 chain from private line for sale boundary.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
112	52045112.10_Monitor	29.3	4110 - Sugar Maple Association	Sawtimber Medium	85	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Follow up natural regen checks for the MWR project.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A diverse mix of northern hardwood 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 /2018</p>											
114	52045114.9_Monitor	29.0	4110 - Sugar Maple Association	Sawtimber Poor	90	1-50	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Natural regeneration checks for the MWR project.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A diverse mix of northern hardwood 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 /2018</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>115 52045115-Cut</b>	10.2	4110 - Sugar Maple Association	Sawtimber Well	95	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand with a target BA ~80 overall. Individual areas may range from 60 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>118 52045118-Cut</b>	5.1	6124 - Lowland Spruce-Fir	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, standard retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of lowland conifer species that meets minimum stocking requirements and is has less than 30 percent aspen (quaking or balsam)</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Blocked by Railroad</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>121 52045121-Cut</b>	11.4	4110 - Sugar Maple Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand with a target BA of ~80. Establish regen gaps at least 100 feet in diameter where applicable (may be difficult to hit the one per 5 acre threshold due to topography.) Individual areas may range from 0 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of desirable deciduous species (sugar maple, basswood, red maple, and yellow birch) that meets minimum stocking criteria</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect hiking trail during harvest operations. If access is of of US 131 make sure to get appropriate approvals from Consumers Energy and applicable permits from MDOT before the sale is sold.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>123 52045123-Cut</b>	21.1	4110 - Sugar Maple Association	Poletimber Well	85	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand with a target BA of ~80. Cut all beech except for 1 per 2 acres. Individual areas may range from 60 to 100 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> May need to use a different paint color since stand was marked last YOY.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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
125 52045125-Cut	110.2	4111 - S.Maple, Hard Mast Association	Sawtimber Well	89	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand, target BA of ~80 overall. Establish regen gaps at least 100' in diameter at a rate of ~1 per 5 acres. Look to establish gaps where sugar maple regen is already present. Individual areas may range from 0 to 100 BA.</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> A mix of desirable deciduous species (sugar maple, basswood, red maple, yellow birch, and aspen) that meets minimum stocking requirements.</p> <p><u>Other Comment:</u> Look into private access from the east.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

**Total Treatment** 587.8  
**Acreage Proposed:**



## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		2B	2I	5C	1C	2F	2G	2J	3J	
524	480	22	22	Aspen	22			1				21	
21	21	0	0	Bare/Sparsely Vegetated									
61	0	0	61	Cedar	0					10		49	2
80	80	0	0	Herbaceous Openland	0								
51	51	0	0	Low-Density Trees									
3	0	0	3	Lowland Aspen/Balsam Poplar						3			
22	0	0	22	Lowland Conifers						6		5	11
3	3	0	0	Lowland Shrub	0								
17	17	0	0	Marsh	0							0	
24	24	0	0	Mixed Upland Deciduous									
1723	1375	306	43	Northern Hardwood	58	188	60		8	0		25	10
25	25	0	0	Upland Shrub									
13	13	0	0	Urban									
2	2	0	0	Water									
2,570	2,091	328	151	Total Forested Acres	80	188	60	1	8	19		100	24
	81%	13%	6%	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	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2J: Blocked by Railroad	26	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Adjacent landowner to the west hasn't responded to letter.							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



3	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	2B: Unknown if access through adjacent landowner(s) is possible	51	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Access Denied from landowner to the east, old R/R grade is impassable to log trucks from the west, haven't heard back about access from landowner to the south.							
6	<b>Unavailable</b>	1C: Other dept or div proc/practices	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



8	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	2J: Blocked by Railroad	5	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Can't cross railroad							
11	<b>Unavailable</b>	2J: Blocked by Railroad	43	3J: Water quality / BMPs (stream, river, or lake)	1C: Other dept or div proc/practices	Unspecified	Unspecified
<b>Comments:</b> Stand part of the South Branch of the Boyne River Cold Water Trout Stream.							
12	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	10	2J: Blocked by Railroad	Unspecified	Unspecified	Unspecified
<b>Comments:</b> High water table, large number of seeps, and blocked by railroad on the west boundary of the stand.							
15	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Temporary SC for cruise test plots							
16	<b>Unavailable</b>	<b>2F: Too steep</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>2F: Too steep</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Multiple braided seeps that eventually turn into a small stream.							
19	<b>Unavailable</b>	<b>2J: Blocked by Railroad</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



20	Unavailable	2J: Blocked by Railroad	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Available	2I: Survey needed	78	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Survey request submitted.							
22	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Available	2B: Unknown if access through adjacent landowner(s) is possible	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Zach Crew : Examiner

Compartment: 45  
Year of Entry: 2022



26	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was turned back into the state and not cut during last YOE. Difficult access, hold and harvest with stand 1 in the adjacent compartment.							
27	<b>Available</b>	<b>2I: Survey needed</b>	110	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Survey Request Submitted							

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
<b>Comments</b>				



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

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

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

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





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	4110 - Sugar Maple Association	Sawtimber Well	61.2	95	81-110	N/A	Northern portions of stand harvested under contract 520201201 "Two Owls Hardwood". Average residual BA from 10 plots is 88.																																													
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Striped Maple	Low	Variable	Sapling																																																	
2	4130 - Aspen	Sapling Well	16.2	22	1-50	N/A	This stand was final harvested in 1998 leaving no residual. The stand lies on a fairly steep south facing side hill. The aspen regeneration has come back quite well although there are some areas where hardwood sapplings and stump sprouts predominate. The aspen is 20 - 30 feet tall.																																													
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3	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.1		Unspecified		State Warner A2-3 Antrim well pad.																																													
4	310 - Herbaceous Openland	Nonstocked	12.1			No	Consumers Powerline																																													
5	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner A3-3 Antrim well pad.																																													
6	4110 - Sugar Maple Association	Sawtimber Well	56.4	85	81-110	N/A	Basal area for the stand averages 85 sq. ft post harvest. The terrain here is rolling but certainly operable. The quality of the stand is only moderate, certainly not as nice as the stand adjacent to the west. Stand thinned under contract 520201201 "Two Owls Hdwds". 2 canopy gaps observed during inventory, no desirable regen found.																																													
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7	3301 - Low Density Deciduous Trees	Nonstocked	46.0			No	This stand is different from the typically cherry brush stand because many of the cherry are actually of merchantable size. The basal area of these trees is still very low though. There are also scattered merchantable hardwood trees in this stand as well especially in the far northeastern lobe of the stand. Beginning to fill in with aspen, cherry, maple, and ironwood.																																													
8	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner C2-3 Antrim well pad.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
9	4130 - Aspen	Sapling Well	18.1	15	Immature	N/A	Stand was final harvested in 2005. No residual was left. The resulting regeneration is coming in pretty well but the aspen is still only about 20 feet tall and the hardwood is around 10 feet.																																																	
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10	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner B3-3 Antrim well pad. Contact Land Use Specialist before using this pad for forest operations(6/15/16). Site closed RxM																																																	
11	4110 - Sugar Maple Association	Sawtimber Well	154.9	90	81-110	N/A	Stand harvested in 2007 as part of 3 & 10 Hardwoods (52-019-02) avg ba 108 from 18 plots																																																	
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12	4111 - S.Maple, Hard Mast Association	Sawtimber Well	26.4	90	51-80	N/A	This stand was cut in 1988 along with the adjacent stand to the southeast. It appears that only the aspen was removed from this portion of the harvest area leaving all of the northern hardwoods as residual. In most areas of the stand this residual is uniformly scattered but some heavy pockets do exist most notably in the far northeast corner of the stand. The average residual basal area is 53 square feet making the residual timber the featured canopy. The regeneration is coming in pretty well with hardwood and aspen being equally represented.																																																	
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13	4139 - Aspen, Mixed Deciduous	Poletimber Well	17.9	32	1-50	N/A	This stand was cut in 1988 along with the stand immediately adjacent to the northwest. Some hardwood residual was left in this stand but nowhere near the amount as in the adjacent stand. As a result the sapling regeneration is the feature canopy in this stand. Most of the aspen regeneration is averaging 30-50 feet tall. Hardwood regeneration is mixed throughout. Ages are from Aspen regen and saw log sizes Aspen and sugar maple.																																																	
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14	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.2		Unspecified		State Warner D1-3 Antrim well pad.																																																	
15	623 - Emergent Wetland	Nonstocked	1.5			No	Several areas of springs and seeps. Some timber is present but for the most part this is an area of cattails and associated lowland grasses.																																																	
16	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner C4-3 Antrim well pad.																																																	



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17	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.1		Unspecified		State Warner A2-1- Antrim well pad.																																																							
18	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3		Unspecified		State Warner D3-3 Antrim well pad.																																																							
19	310 - Herbaceous Openland	Nonstocked	16.5			No	Overhead powerline. Most of this is extremely hilly and cannot be considered for access purposes.																																																							
20	4119 - Mixed Northern Hardwoods	Sawtimber Well	29.0	85	111-140	N/A	This stand averages 117 square feet of basal area. It is not very high quality hardwoods. Large diameter aspen are scattered throughout the stand.																																																							
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21	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	11.1	95	81-110	N/A	This stand lies on both sides of the Boyne River. This stand is not really too wet at this time but I would imagine it does flood periodically.																																																							
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22	4115 - Y.Birch, Hemlock NH	Poletimber Well	9.5	90	81-110	N/A	This is a transitional stand. It is definitely on a site that has a high water table. There are seeps lacing through this stand down toward the Boyne River. For the most part though the species mix is made up of upland hardwood species and the site itself is generally dry.																																																							
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<b>23</b>	4130 - Aspen	Poletimber Well	166.2	31	1-50	N/A	This stand was cut in 1989. Some of the aspen regeneration has already reached pulpood size class. The average basal area of this component of the regeneration is 40 square feet. The sappling stage though is still dominate for this current inventory. In ten years this will become a poletimber stand. This is a large stand with a considerable amount of variability. Some areas have a high amount of hardwood regeneration in addition to the aspen. The hardwood is considerably smaller in diameter as compared to the aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		15	Sapling/Pole	4		Beech		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		50	Pole/Sapling	5	31	Serviceberry (Juneberry)		Trace	10 - 20 feet	Sapling	
Black Cherry		10	Sapling	2		Ironwood		Trace	5 - 10 feet	Sapling	
Quaking Aspen		10	Pole/Sapling	5		Sugar Maple		Low	5 - 10 feet	Sapling	
Beech		5	Sapling/Pole	4							
Ironwood		10	Sapling/Pole	3							
<b>24</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.4	100	111-140	N/A	This stand lies in a slight depression at the base of a raised utility corridor. Several seeps originate in this stand that eventually lead down to the Boyne River.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		10	Pole	7		Red Maple		Medium	5 - 10 feet	Sapling	
Red Maple		20	Pole	9		Balsam Fir		Medium	5 - 10 feet	Sapling	
Paper Birch		10	Pole	8		Paper Birch		Trace	5 - 10 feet	Sapling	
Northern White Cedar		35	Pole	9	100	Quaking Aspen		Trace	10 - 20 feet	Sapling	
<b>25</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	63.2	95	111-140	N/A	Average basal area of this stand is 131 sq. ft. Stand generally lies on east facing slope. Some areas too steep to harvest. Stand split due to large amount of contrast between north and south portions				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		10	Pole/Log	9		Ironwood		Medium	Variable	Sapling	
Red Maple		50	Log/Pole	12	95	Beech		High	10 - 20 feet	Sapling	
Yellow Birch		2	Pole	9							
Basswood		20	Log/Pole	10							
Beech		5	Log/Pole	12							
Bigtooth Aspen		13	Log	12							
<b>26</b>	4130 - Aspen	Sapling Well	52.2	26	1-50	N/A	This was harvested in 1994. Some areas dominated by hardwood regen.				
Canopy Species		% Cover	Size Class	DBH	Age						
Sugar Maple		5	Sapling	1							
Bigtooth Aspen		65	Sapling	4	26						
Quaking Aspen		5	Sapling	2							
Black Cherry		10	Sapling	2							
Ironwood		10	Sapling	2							
Beech		5	Sapling	2							
<b>27</b>	4110 - Sugar Maple Association	Sawtimber Well	5.1	90	81-110	N/A	Decent stocking, trees appear to be very open grown, could be a result of past grazing due to proximity to stand 43 (old field that was grazed in the past). Under story filling in with predominantly sugar maple which is surprising, however most saplings are still under 5 feet in height and appear to be heavily grazed.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		63	Log/Pole	10	90	Beech		Low	10 - 20 feet	Sapling	
Basswood		25	Log/Pole	10		Ironwood		Low	Variable	Sapling	
Beech		10	Log/Pole	12		Sugar Maple		Medium	5 - 10 feet	Sapling	
Bigtooth Aspen		2	Log	10							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
28	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner B2-10 Antrim well pad.																																						
29	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	1.4	100	111-140	N/A	This stand lies in a slight depression at the base of a slope. Several seeps originate in this stand.																																						
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30	4130 - Aspen	Sapling Medium	14.4	5	Immature	N/A	Stand cut 2015 as part of Missed Buck Mix (52-007-14). Regen is barely adequate but present. Some areas of ironwood saplings left from the harvest.																																						
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32	320 - Upland Shrub	Nonstocked	3.3			No	This is a part of a 1989 final harvest area that has not regenerated back to a forested stand. Now it is primarily cherry shrubs with only scattered aspen sapplings.																																						
33	4112 - Maple, Beech, Cherry Association	Sapling Medium	13.2	31	1-50	N/A	This area was cut in 1989 at the same time the larger adjacent stand to the west was. This portion of the harvest area occupies a high ridgetop and has come back primarily to hardwood regeneration. Very little aspen regeneration is found in this stand and the hardwood regeneration is even often spotty. Overall stocking is definitely lower than the adjacent aspen regeneration.																																						
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34	320 - Upland Shrub	Nonstocked	1.8			No	This is a part of a 1989 final harvest areaa that has not regenerated back to a forested stand. Now it is primarily cherry shrubs with only scattered aspen sapplings.																																																		
35	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.6		Unspecified		State Warner C1-10 Antrim production well pad. The C1-10 SWD shares this site. There is a small building on this well pad.																																																		
36	320 - Upland Shrub	Nonstocked	2.3			No	This is a part of a 1989 final harvest areaa that has not regenerated back to a forested stand. Now it is primarily cherry shrubs with only scattered aspen sapplings.																																																		
37	4130 - Aspen	Poletimber Well	21.8	31	1-50	N/A	This stand was cut in 1989. Some of the aspen regeneration has already reached pulpood size class. The average basal area of this component of the regeneration is 40 square feet. The sappling stage though is still dominate for this current inventory. In ten years this will become a poletimber stand.																																																		
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38	4119 - Mixed Northern Hardwoods	Sapling Medium	10.3	5	Immature	N/A	Harvested in 2015 as part of Missed Buck Mix (52-007-14). Regen, if present, is borderline at acceptable levels. Ironwood and some maple saplings left post harvest. A few scattered beech left in the over story for mast production.																																																		
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40	320 - Upland Shrub	Nonstocked	9.2			No	This is a part of a 1989 final harvest areaa that has not regenerated back to a forested stand. Now it is primarily cherry shrubs with only scattered aspen sapplings.																																																		
41	4110 - Sugar Maple Association	Sawtimber Well	9.9	88	51-80	N/A	Broken out of stand 103 due to lower quality timber, and lower stocking. AVG BA of 75. Larger quantity of Basswood than stand 103. Filling in with ironwood/cherry/maple regen. Stand may have been grazed in the past which would explain the lower stocking.																																																		
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<b>42</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	23.6	5	Immature	N/A	Some ironwood, elm, and sugar maple saplings left over from harvest (about 10% canopy cover.) Lots of black cherry regen.																																																																								
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<b>43</b>	310 - Herbaceous Openland	Nonstocked	8.4			No	This was fenced pasture land until the summer of 2009 when the responsible party was required to remove the fence and cease grazing. Severely degraded, >80% spotted knapweed.																																																																								
<b>44</b>	4119 - Mixed Northern Hardwoods	Sawtimber Medium	21.1	80	51-80	N/A	Open grown hardwood stand, lots of basswood, with maple, cherry, and ironwood beginning to fill in the understory.																																																																								
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<b>45</b>	310 - Herbaceous Openland	Nonstocked	6.6			No	This was fenced pasture land until the summer of 2009 when the responsible party was required to remove the fence and cease grazing.																																																																								
<b>46</b>	310 - Herbaceous Openland	Nonstocked	18.0			No	This is fenced pasture that is being grazed by the adjacent landowner to the south. The landowner has been contacted and will be required to remove the fence and cease the grazing.																																																																								
<b>47</b>	3301 - Low Density Deciduous Trees	Nonstocked	5.2			No	Light stocking of open grown wolfy hardwood trees. Hardwood and aspen saplings are slowly coming in to what must have once been a very open stand. A pocket of scotch pine is located in the NE corner of the stand.																																																																								
<b>48</b>	4110 - Sugar Maple Association	Sawtimber Well	38.2	85	111-140	N/A	This stand was selectively thinned in the summer of 2009. Residual BA ~127 feet. Lots of ash in the under story, maple present in pockets mostly located close to adjacent openings. Good quality timber stand. Part of the Cows In the Woods Sale. Made a new stand due to MWR harvest breaking up the contiguousness of the parent stand.																																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>49</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	24.9	85	111-140	N/A	This is a pretty nice quality stand occupying a north facing side slope. The east portion of the stand is currently being used by the adjacent landowner to the south for cattle grazing. The grazing should cease once the pasture fences are removed from State land during the summer of 2010. Aspen is more common in the western portions of the stand. Average basal area is 127 sq. ft. Stand prepped in 2012 but not sold due to an eagles nest that was found during set up. In 2017 a field visit for the adjacent power line ROW determined that the nest no longer existed.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		53	Pole	9	85	Beech		Low	Variable	Sapling	
Yellow Birch		5	Pole	8		Sugar Maple		Low	Variable	Sapling	
Basswood		25	Log/Pole	12		Ironwood		Low	Variable	Sapling	
Beech		5	Pole	8							
Bigtooth Aspen		12	Log	14							
<b>50</b>	310 - Herbaceous Openland	Nonstocked	6.5			No	Overhead powerline right-of-way. Most of this is upland but some small areas are wet.				
<b>51</b>	6120 - Lowland Cedar	Poletimber Medium	5.3	35	1-50	N/A	This appears to be an old beaver flooding that is now becoming reforested. There are still a lot of open areas with cattails but the cedar and fir are definitely re-occupying this stand. The stand edges also have lowland aspen sapplings.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		15	Sapling	3		Tamarack		Low	Variable	Sapling	
Northern White Cedar		50	Pole/Sapling	5	35	Red Maple		Trace	< 5 feet	Sapling	
Tamarack		20	Pole/Log	8		Balsam Fir		Trace	< 5 feet	Sapling	
Quaking Aspen		10	Pole/Sapling	6		Northern White Cedar		Trace	< 5 feet	Sapling	
Paper Birch		5	Pole/Sapling	5							
<b>52</b>	4136 - Aspen, Mixed Conifer	Sawtimber Well	21.3	82	81-110	N/A	While portions of this stand near the railroad are on high ground, the majority is on ground that appears to have a high water table. The stand though is not wet by any means. A narrow stream flows through the northern edge of this stand. North of this stream the stand is primarily cedar.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		5	Log/Pole	10		Balsam Fir		Low	10 - 20 feet	Sapling	
Red Maple		20	Log/Pole	12		Sugar Maple		Low	Variable	Sapling	
Quaking Aspen		24	Log/Pole	12	82	Red Maple		Low	Variable	Sapling	
Bigtooth Aspen		25	Log/Pole	12	82	Yellow Birch		Trace	10 - 20 feet	Sapling	
Balsam Fir		5	Pole	8		Beech		Low	5 - 10 feet	Sapling	
Northern White Cedar		15	Pole	7		Ironwood		Low	5 - 10 feet	Sapling	
Yellow Birch		3	Pole/Log	8		Serviceberry (Juneberry)		Trace	10 - 20 feet	Sapling	
Hemlock		3	Pole/Log	8							
<b>53</b>	320 - Upland Shrub	Nonstocked	1.0			No	This is a fairly open stand with scattered cherry shrubs. There are also a few cedar scattered along the southern edge of the stand.				
<b>54</b>	6112 - Lowland Aspen	Poletimber Well	1.6	75	51-80	N/A	This is a small pocket of lowland that most likely is only wet during the spring and fall. The presence of black ash though does indicate that this stand is probably not one that we should harvest.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		7	Pole	8		Red Maple		Low	< 5 feet	Sapling	
Yellow Birch		10	Pole/Log	9		Black Ash		Low	< 5 feet	Sapling	
Quaking Aspen		66	Pole/Log	9	75						
Northern White Cedar		2	Pole	8							
Hemlock		10	Log/Pole	10							
Sugar Maple		5	Pole	7							





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
55	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner A1-1 Antrim well pad.																																																					
56	310 - Herbaceous Openland	Nonstocked	4.6	0		No	Grass opening, old imagery suggests it may have been tilled at one point by the adjacent land owner to the south, check trespass database to see if this occurred and if it has been resolved.																																																					
57	623 - Emergent Wetland	Nonstocked	1.6			No	This stand lies on both sides of the railroad grade. Looks like these are old beaver floodings. Primarily cattails with some open water.																																																					
58	6120 - Lowland Cedar	Poletimber Well	5.9	100	141-170	N/A	This is a wet stand that is interlaced with springs and seeps. This is not a dense stand of pure cedar. Rather there is quite a bit of hardwood species mixed in as well. Lots of deer activity.																																																					
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59	4130 - Aspen	Sapling Well	4.6	4	Immature	N/A	Small stand of mature aspen that blends into the northern hardwood stand adjacent to the north. Some large diameter hardwoods are mixed in with this stand. There are a variety of aspen size classes represented in this stand. Stand Harvested in winter 2016.																																																					
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60	122 - Road/Parking Lot	Nonstocked	3.3			No	US-131 Highway right-of-way.																																																					
61	4110 - Sugar Maple Association	Sawtimber Well	80.8	85	81-110	N/A	Aspen is found as individual stems throughout the stand but there is also a very distinct area of aspen that surrounds a pocket of lowland in the southwest portion of this stand. This area of aspen was too small to meet mapping standards so it is simply combined with this hardwood stand. Some areas are hilly but no slopes are too steep to limit management consideration. Sale # 52014-12-01 harvested fall 2015/winter 2016.																																																					
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62	4110 - Sugar Maple Association	Sawtimber Well	49.0	100	111-140	N/A	A nice stand of logs, thinned in 2009 according to previous comments as part of the Cows In the Woods Sale. Residual BA still ~120 even with the Ash falling out. Some steep terrain in spots.																																																					
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<b>63</b>	4110 - Sugar Maple Association	Sawtimber Well	11.8	95	81-110	N/A	Stands set up as small fuel wood sales Nice quality stand on gently rolling topography. This stand is very similar in character to two other small nearby stands. All three of these stands really are ready to be thinned.																																																					
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<b>64</b>	3104 - Degraded	Nonstocked	0.8		Unspecified	Gas Well Site State Warner & Puroll C2-11																																																						
<b>65</b>	4110 - Sugar Maple Association	Sawtimber Well	5.9	95	81-110	N/A	Stands set up as small fuel wood sales. Nice quality stand on gently rolling topography. This stand is very similar in character to two other small nearby stands. All three of these stands really are ready to be thinned.																																																					
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<b>66</b>	623 - Emergent Wetland	Nonstocked	11.2			No	This looks like it was an old beaver flooding. There are a lot of dead standing snags. There are also scattered live trees but the majority of this stand is non-forested. Lots of cattails and lowland grass species.																																																					
<b>67</b>	4115 - Y.Birch, Hemlock NH	Sawtimber Well	6.9	95	81-110	N/A	This is a small stand of lower quality northern hardwoods. This is growing on a slightly wetter soil so red maple and yellow birch are common.																																																					
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<b>68</b>	6112 - Lowland Aspen	Poletimber Poor	1.6	75	1-50	N/A	This is a wet stand with lots of smaller diameter yellow birch and black ash. The aspen component is much larger in diameter.																																																					
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<b>69</b>	4130 - Aspen	Poletimber Well	24.6	26	1-50	N/A	Stand was cut in 1994. This is pretty nice regeneration. Some of the aspen is up to 40 feet tall and the diameters are just starting to approach merchantable size class.																																																																	
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<b>70</b>	310 - Herbaceous Openland	Nonstocked	1.7		Unspecified	No	Natural opening surrounding stand 120.																																																																	
<b>71</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	7.8	100	81-110	N/A	This stand is poorer quality than stands adjacent on either side. Most of the maple are large diameter, low quality clumps giving the appearance that they were once open grown. Aspen is a fairly common associated species in this stand.																																																																	
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<b>72</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	0.8	85	81-110	N/A	The northern portion of this stand lies on a steep slope leading down to Dobleky Road. A longstanding cabin trespass was found in the southern end of the stand. This is a stand of large diameter aspen that in any other situation should be managed but has been ignored due to it's irregular shape and size.																																																																	
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<b>73</b>	4130 - Aspen	Poletimber Well	11.0	35	1-50	N/A	This stand was harvested in 1985 along with the stand immediately adjacent to the north. This stand, however, has no hardwood residual like that stand to the north. The regeneration in this stand is rapidly approaching merchantable size class.																																																																	
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<b>75</b>	310 - Herbaceous Openland	Nonstocked	2.8			No	Overhead powerline. Portions are low wetland but that area is less than an acre in size.																																																																	
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<b>77</b>	4130 - Aspen	Poletimber Well	62.0	35	1-50	N/A	This stand was cut in 1985. It appears that all of the aspen was cut but that a portion (if not all) of the hardwoods were left as residual. The resulting stand is extremely variable both in the character of the understory and in the amount of residual basal area. Aspen is regenerating quite well in clones but large areas of the stand are dominated by hardwood regeneration.																																																																	
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<b>78</b>	4110 - Sugar Maple Association	Sawtimber Well	58.0	90	81-110	N/A	Nice quality stand growing on rolling but not excessively steep terrain. The stand was commercially thinned in the summer of 2010 under contract #52-010-08-01. The North Country Pathway goes through this stand. Sugar maple regeneration mainly found west of the logging road, east of the logging road it is predominantly beech and ironwood.																																																																	
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<b>79</b>	4110 - Sugar Maple Association	Sawtimber Well	15.7	95	81-110	N/A	Stands set up as small fuel wood sales. Nice quality stand on gently rolling topography. This stand is very similar in character to two other small nearby stands. All three of these stands really are ready to be thinned.																																																																	
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<b>80</b>	122 - Road/Parking Lot	Nonstocked	6.4			No	An active railroad owned by the State of Michigan Dept. of Transportation and leased to the railroad company.																																																																	
<b>81</b>	122 - Road/Parking Lot	Nonstocked	3.4			No	Dobleski Road cleared right-of-way.																																																																	
<b>82</b>	320 - Upland Shrub	Nonstocked	1.0			No	Scattered cherry brush. Some widely scattered hardwoods of merchantable size but overall this is still a shrub stand.																																																																	
<b>83</b>	6120 - Lowland Cedar	Poletimber Medium	3.9	80	81-110	N/A	A fairly wet swamp conifer stand. The portion east of Dobleski Road is bisected by small seeps and springs. Open areas of cattails are interspersed throughout the stand.																																																																	
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<b>84</b>	4130 - Aspen	Poletimber Well	6.0	36	1-50	N/A	This stand was cut in 1984 and is coming back very well to aspen regeneration. Many stems are already in the 5+ inch size class but overall this should still be considered a sappling stand for ten more years.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Sugar Maple		5	Sapling/Pole	4				
Bigtooth Aspen		80	Pole/Sap/Log	8	36			
Black Cherry		7	Sapling/Pole	4				
Ironwood		5	Sapling/Pole	4				
Yellow Birch		3	Sapling/Pole	4				
<b>85</b>	4130 - Aspen	Sapling Well	45.5	26	Immature	N/A	Stand was cut in 1994. This is pretty nice regeneration. Some of the aspen is up to 40 feet tall and the diameters are just starting to approach merchantable size class. Some of the drier south facing slopes have a heavy hardwood regeneration component as well as an occassional residual beech tree.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Sugar Maple		21	Sapling	3				
Beech		2	Sapling	3				
Bigtooth Aspen		60	Sapling/Pole	4	26			
Black Cherry		2	Sapling	3				
Ironwood		15	Sapling	3				
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Beech		Low	5 - 10 feet	Sapling				
Ironwood		Low	5 - 10 feet	Sapling				
<b>86</b>	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner A2-12 Antrim well pad.	
<b>87</b>	623 - Emergent Wetland	Nonstocked	2.3			No	This stand has been flooded repeatedly due to beaver activity. Several old dams still exist. A few sparse trees still hanging on, mostly open water and cattails.	
<b>88</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	69.9	80	51-80	N/A	This is a low quality poletimber hardwood stand. Only isolated patches of quality timber exists. A large portion of the stand occupies ridgetops or side hills. Aspen is commonly represented in the stand. West facing slopes seem to have the best stocking. Ridgetops dominated by pole sized maple and ironwood. Several indicator species present which suggest this should potentially be a quality stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Sugar Maple		48	Pole/Log	8	80			
Red Maple		3	Log/Pole	12				
Yellow Birch		2	Log/Pole	12				
Basswood		10	Log/Pole	10				
Bigtooth Aspen		10	Log/Pole	12				
Ironwood		20	Pole	5				
American Elm		2	Pole	7				
Beech		5	Log/Pole	10				
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Ironwood		Low	Variable	Sapling				
Sugar Maple		Low	< 5 feet	Sapling				
Beech		Trace	5 - 10 feet	Sapling				
<b>89</b>	310 - Herbaceous Openland	Nonstocked	1.8			No	Overhead powerline. Portions are low wetland but that area is less than an acre in size. Large beaver damn on east side of stand.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>90</b>	4111 - S.Maple, Hard Mast Association	Poletimber Well	11.3	85	81-110	N/A	This is a stand of low quality hardwood lying on a northeast facing side hill. Beaver activity along the adjacent wetlands is slowly removing the aspen component from the stand. Beaver activity has also flooded out the E corner of the stand just south of the power line. Seasonal drainage bisect the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		39	Pole/Log	9	85	Beech		
Red Maple		5	Pole	8		Low		
Basswood		25	Pole/Log	9		Variable		
Beech		25	Log	10		Sapling		
Bigtooth Aspen		5	Log	12		Ironwood		
Yellow Birch		1	Pole/Log	8		Low		
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						Sapling		
<b>91</b>	4110 - Sugar Maple Association	Sawtimber Well	121.9	90	81-110	N/A	This stand was very lightly thinned in 1996. Based on the absence of cut stumps large portions of the stand seemed to have very little material removed. This is only a moderate quality stand of hardwood that occupies some challenging terrain. White Ash and Beech salvage (520151301) completed in 2015. Pockets of quality timber. Some ridgetops of poor quality. Avg BA 108	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		57	Log/Pole	10	90	Beech		
Red Maple		5	Log/Pole	10		Low		
Basswood		35	Log/Pole	10		5 - 10 feet		
Beech		1	Log/Pole	10		Sapling		
Yellow Birch		1	Pole/Log	9		Medium		
Bigtooth Aspen		1	Log	12		Variable		
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						Trace		
						5 - 10 feet		
						Tall Shrub		
<b>92</b>	4110 - Sugar Maple Association	Sawtimber Well	48.2	90	141-170	N/A	A very nice quality stand situated on rolling topography. I do not believe that it has ever been thinned.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		51	Log/Pole	11	90	Beech		
Basswood		35	Log	12		Low		
Beech		3	Log	12		5 - 10 feet		
Bigtooth Aspen		5	Log	14		Sapling		
Yellow Birch		2	Log/Pole	10		Low		
American Elm		1	Log	14		5 - 10 feet		
Quaking Aspen		3	Log	14		Sapling		
<b>93</b>	6120 - Lowland Cedar	Poletimber Well	43.4	95	81-110	N/A	A fairly thick stand of swamp conifers lying on both sides of the Boyne River. Areas along the river have been impacted by beaver activity. Edges of this stand adjacent to uplands have red maple and aspen interspersed.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		5	Pole/Log	8		Balsam Fir		
Quaking Aspen		5	Log/Pole	10		Medium		
Balsam Fir		10	Pole	7		5 - 10 feet		
Northern White Cedar		78	Pole/Log	8	95	Sapling		
Yellow Birch		2	Pole/Log	8				



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94	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.9	90	141-170	N/A	This is a transitional stand that leads down to the lowlands along the Boyne River. This stand is operationally landlocked by the active railroad. The overall quality of the timber is only moderate.																																																				
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95	4110 - Sugar Maple Association	Sawtimber Well	103.5	90	81-110	N/A	This stand was thinned in 2004. The end result looks pretty good overall. There are some nice small diameter log crop trees in this stand. Some of the south facing slopes though are supporting much lower quality timber. Some areas of the stand have quite a few orange marked trees that did not get cut. This was most notable in the southern portion of the stand. Beech more predominant in the SW corner.																																																				
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97	4119 - Mixed Northern Hardwoods	Sapling Medium	6.3	36	1-50	N/A	This stand was cut in 1984 along with the adjacent stand of aspen regeneration to the east. This portion of the harvest area lies on a west facing side hill that leads down to a small stream. This area was hit hard by beaver activity leaving a sparse stand of primarily hardwood regeneration. If aspen did come back following the harvest it was removed by the beavers. There is some scattered 5+ inch fir in this stand. I believe they were left as residual during the harvest.																																																				
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98	4130 - Aspen	Sapling Well	26.0	26	Immature	N/A	Stand was cut in 1994. This is pretty nice regeneration. Some of the aspen is up to 40 feet tall and the diameters are just starting to approach merchantable size class.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
99	629 - Mixed non-forested wetland	Nonstocked	3.4		Unspecified	No	This stand occupies the area immediately surrounding a small stream that has been dammed repeatedly over the years by beaver. Lots of dead standing timber.																																														
100	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner A4-1 Antrim well pad.																																														
101	4130 - Aspen	Poletimber Well	16.0	36	1-50	N/A	Stand was clearcut in 1984. The majority of the stand is coming back very well to aspen. Some areas though are heavier to northern hardwood regeneration. Edges have also been impacted heavily by beaver activity. Most notable is the west facing slope north of the utility line. This area was so altered by beaver that it was identified as a stand by itself. This stand is very close to becoming a pole sized stand. Many stems are actually already in the 5+ inch size class.																																														
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102	320 - Upland Shrub	Nonstocked	1.7			No	Scattered cherry brush. Some widely scattered hardwoods of merchantable size but overall this is still a shrub stand.																																														
103	4110 - Sugar Maple Association	Sawtimber Well	20.6	95	111-140	N/A	Avg BA of 121. Decent quality hardwoods, looks to have never been treated.																																														
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104	320 - Upland Shrub	Nonstocked	2.6			No	Scattered cheery shrub brush. A few hardwood trees are mixed in.																																														
105	320 - Upland Shrub	Nonstocked	2.4			No	Widely scattered cherry brush.																																														
106	4110 - Sugar Maple Association	Sawtimber Well	37.8	90	81-110	N/A	Average basal area of this stand is 93 sq. ft. This is a nice quality stand that is heavily weighted toward sugar maple. Topography is pretty flat. The understory is generally light but the diameters are well advanced. Harvested 2015-16.																																														
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107	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner D4-1 Antrim well pad.																																														





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108	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0		Unspecified		State Warner A4-12 Antrim well pad.																																																				
109	4110 - Sugar Maple Association	Sawtimber Well	5.1	90	81-110	N/A	This is a very unique stand for this compartment. Diameters are quite large. This stand is much drier as compared to the stand adjacent tot he northwest. This stand is operationally landlocked by the active railroad. Hemlock is found in the understory of this stand which is very uncommon for this compartment.																																																				
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110	4110 - Sugar Maple Association	Sawtimber Well	81.2	85	111-140	N/A	Average stand basal area is 131 sq. ft. Overall this is not high quality hardwoods but small pockets of nice wood do exist. The terrain becomes steeper the further you go toward the south. N Red O as k located along south boundary as well as most beech. BA drops off in south some areas as low as 50.																																																				
111	4110 - Sugar Maple Association	Sawtimber Well	17.9	95	111-140	N/A	Portion of stand 1 that was not harvested during sale operations. This unit (#3) was not harvested.																																																				
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112	4110 - Sugar Maple Association	Sawtimber Medium	29.2	85	81-110	N/A	This stand was selectively thinned in the summer of 2009. The residual basal area is s100 square feet which is higher than typical following a thinning. This stand was broken out of stand 48 as part of the MWR project. 30 percent of the canopy was removed in gaps ranging from .1 to 1 acre in size. Tops 9 inches or less left on site.																																																				
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113	4110 - Sugar Maple Association	Poletimber Well	21.8	85	81-110	N/A	This stand was thinned under contract 520201201 "Two Owls Hardwood" This stand averages 117 square feet of basal area. It is not very high quality hardwoods. Large diameter aspen are scattered throughout the stand especially north of the powerline.																																																				
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<b>114</b>	4110 - Sugar Maple Association	Sawtimber Poor	29.0	90	1-50	N/A	Stand broken out from stand 95 as part of the MWR project. 50 percent of the stand canopy was removed (residual BA~50). Tops 9 inches or less were left scattered.																																																			
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<b>115</b>	4110 - Sugar Maple Association	Sawtimber Well	17.9	95	111-140	N/A	Avg BA - 124 sq ft. Majority of the stand is an east facing slope that will be too steep to harvest.																																																			
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<b>116</b>	4110 - Sugar Maple Association	Sawtimber Well	3.1	90	111-140	N/A	Good quality stand of timber, SW facing slope. Blocked by adjacent lowlands and private property.																																																			
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<b>117</b>	4110 - Sugar Maple Association	Sawtimber Well	149.2	90	81-110	N/A	This stand was selectively thinned during 2005 - 2007. For the most part this is a small diameter log stand of moderate quality. Beech in the stand tend to be larger diameter and beech scale is evident. The terrain is fairly hilly with some small portions of the marked areas being left uncut due to steep slopes. Heavy beech understory throughout stand. BA highly variable (60-150). AVG 98 BA.																																																			
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<b>118</b>	6124 - Lowland Spruce-Fir	Poletimber Well	5.1	75	81-110	N/A	This portion was broken out of stand 52. This stand is lower and wetter than stand 52.																																																			
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<b>119</b>	4110 - Sugar Maple Association	Sawtimber Well	25.4	90	81-110	N/A	Nice quality stand growing on rolling but not excessively steep terrain. The stand was commercially thinned in the summer of 2010 under contract #52-010-08-01. The North Country Pathway goes through this stand.																																																
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<b>120</b>	790 - Other Bare/Sparingly Vegetated	Nonstocked	0.3		Unspecified		State warner D1-1 Antrim well pad. Also included the adjacent natural opening to the north with this stand.																																																
<b>121</b>	4110 - Sugar Maple Association	Sawtimber Well	11.4	100	111-140	N/A	This is a very nice stand of larger diameter logs. Never thinned, previous comments stated it was too steep. Seems to be workable.																																																
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<b>123</b>	4110 - Sugar Maple Association	Poletimber Well	23.2	85	111-140	N/A	This stand averages 132 square feet of basal area. It is not very high quality hardwoods. Stand marked but turned back into the state.																																																
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<b>125</b>	4111 - S.Maple, Hard Mast Association	Sawtimber Well	110.2	89	111-140	N/A	Split out of larger stand 25. Greater amount of sugar maple and quality saw timber																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>130</b>	6120 - Lowland Cedar	Poletimber Medium	2.5	85	51-80	N/A	This stand occupies the area immediately surrounding a small stream that has been damned repeatedly over the years by beaver. Lots of dead standing timber.
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		50	Pole/Log	9	85		
Balsam Fir		30	Pole/Log	8			
Red Maple		5	Pole/Log	9			
Yellow Birch		5	Pole/Log	9			
Black Spruce		10	Pole/Log	8			