



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52011

Entry Year 2024

Acreage: 2,217

County Otsego

Management Area: AuSable Outwash

Stand Examiner: Zach Crew

Legal Description:

Otsego County, Chester Township, T29N, R02W, Sec. 2, 3, 10, 11, and 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:

The terrain is mostly flat. The soils are primarily Graycalm-Grayling sands and Rubicon sand. These sands are excessively drained with low surface runoff concerns.

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

The compartment has multiple private parcels found in sections 1, 11, and 12. Dispersed multi-recreational use is evident throughout the entire compartment. Public land located south of the North Branch Au Sable River is primarily used by the military for training.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Big and Little Bass Lake drain into Crapo Creek which is a tributary to the North Branch Au Sable River.

Watershed and Fisheries Considerations:

This compartment contains part of Crapo Creek and is adjacent to Big Bass Lake and Little Bass lake. Prescribed management actions are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is approximately two miles to the northwest. Potential exists for sand & gravel within the compartment, but surface mining could be inhibited by oil & gas infrastructure. All State-owned mineral rights in the compartment are currently leased and in production for Antrim Shale gas and oil & gas from Silurian reefs. The Antrim Shale gas play is generally in decline in the northern LP, and the trend toward plugging of wells will increase in coming years. There may be some potential for additional future reef discoveries and for future gas storage and/or carbon sequestration projects. The South Chester 15 gas storage field is just south of the compartment. There is no known potential for metallic minerals in this part of the state.

Vehicle Access:

Compartment is easily accessible by way of county road, forest trails, and/or non-exclusive pipeline right-of-ways.

Survey Needs:

A survey will be needed for one treatments in the E1/2 of section 2.

Recreational Facilities and Opportunities:

There is a maintained boat launch on Big Bass Lake. The North Branch ORV/Snowmobile Trail and the Crapo Lake ORV Trail are present within the compartment.

Fire Protection:

The large amounts of upland brush and young planted pine present opportunities for fast moving fire events during dry conditions. The many pipelines and large power line provide excellent fuel breaks. Equipment access is not a concern.

Fire response is based out of the Gaylord Field Office, and out of the Johannesburg standby location.

Additional Compartment Information:

The following reports from the Inventory are attached:

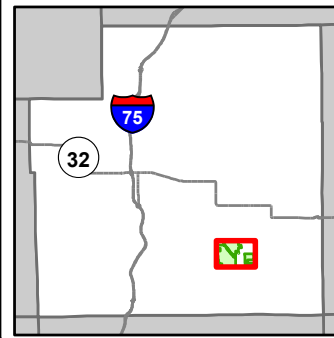
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

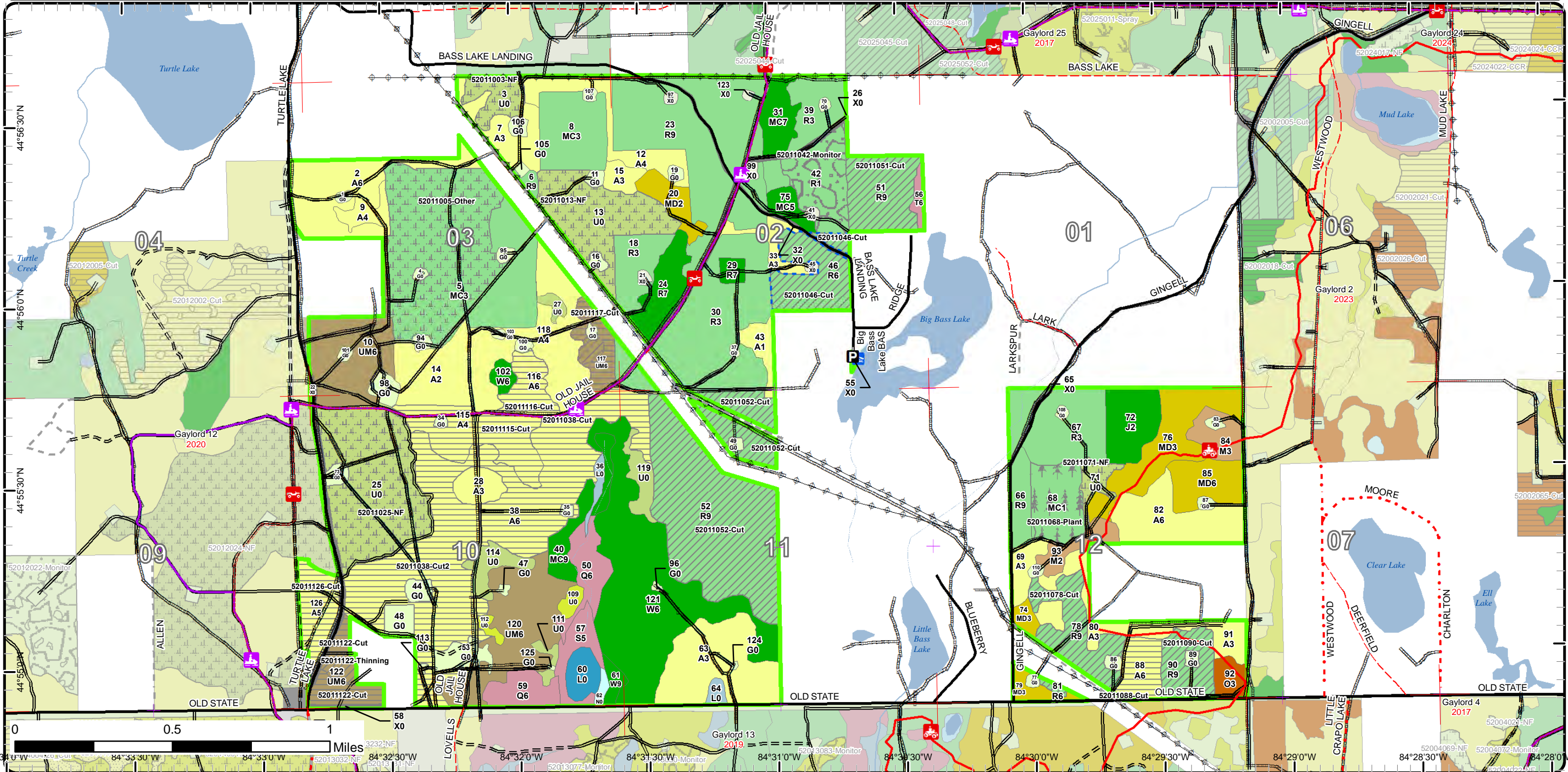
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11
 T29N, R02W, Sec. 2, 3, 10-12
 County: Otsego
 Unit: Gaylord
 Mgmt Area: AuSable Outwash
 YOE: 2024
 Acres: 2216.7 GIS Calculated
 Examiner: Zach Crew
 Map Revised: 11/15/2022
 Map Phase: Post-Review

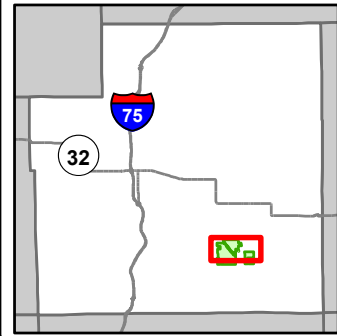


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚗 ORV Routes
- 🚙 Snowmobile Trails
- Designated ATV
- Designated ORV Route
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- 🚤 Boating Access Site
- P Parking Lot
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- ⚡ Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated

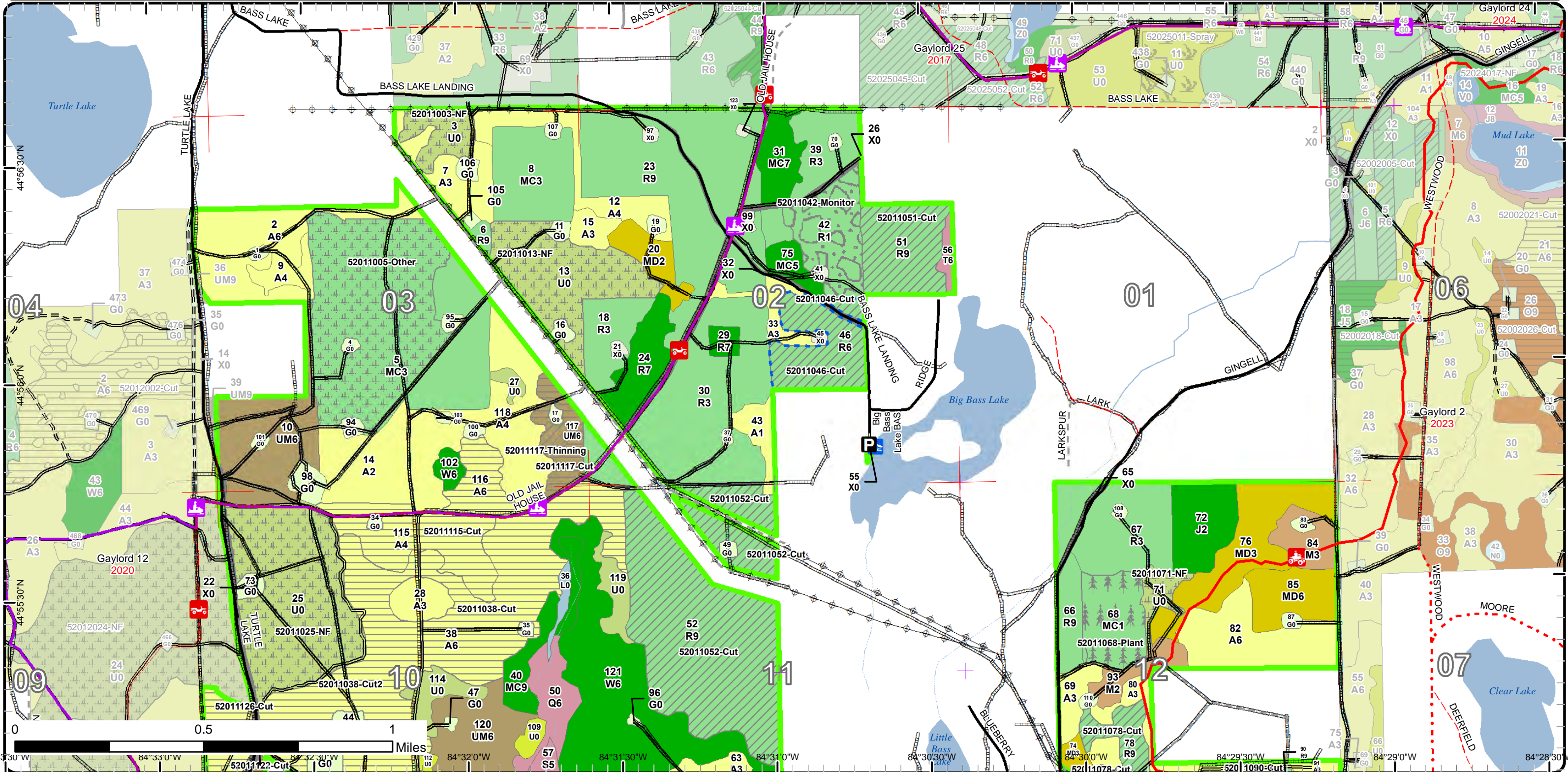


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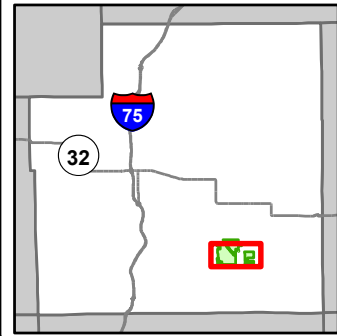


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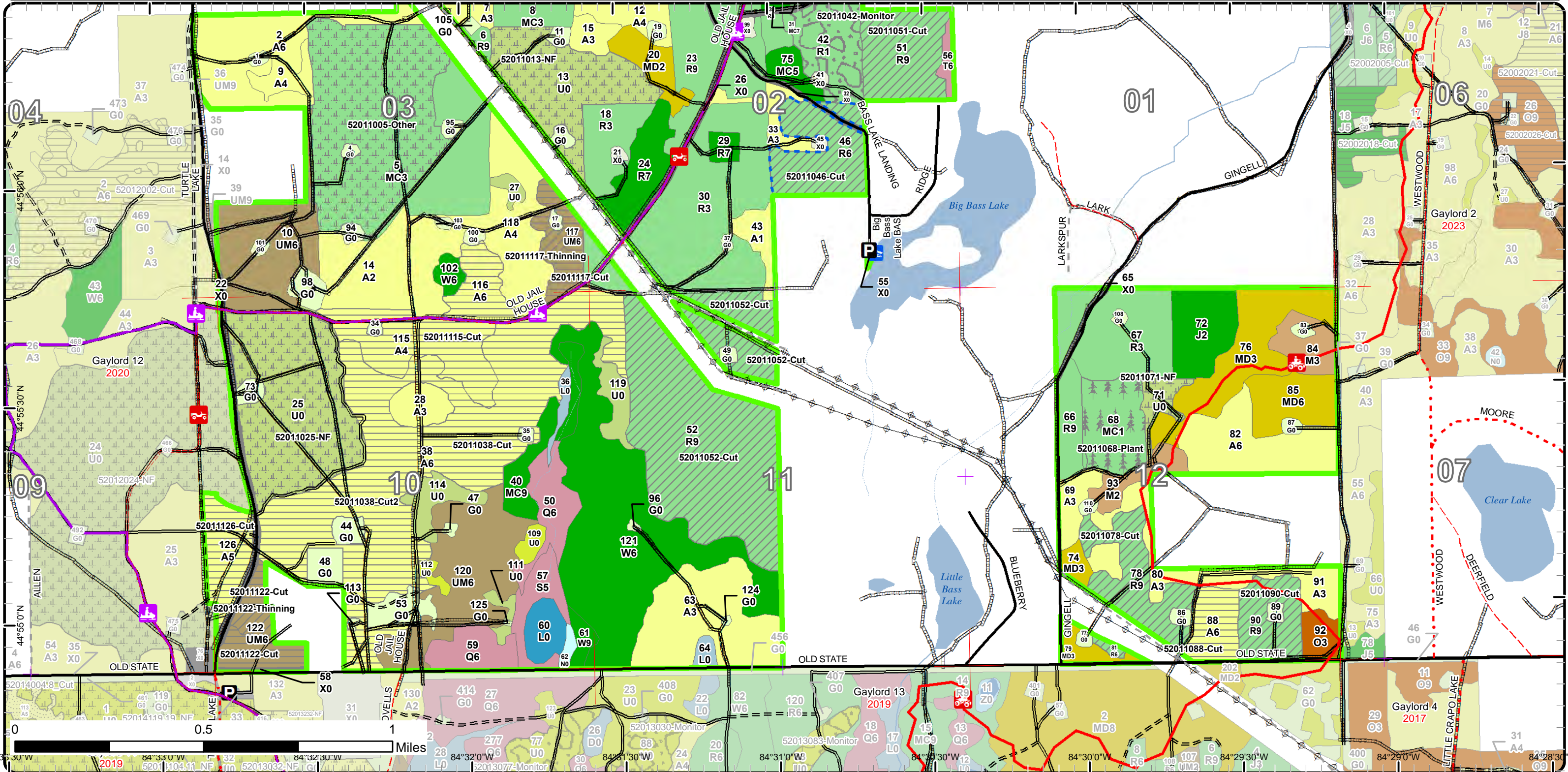


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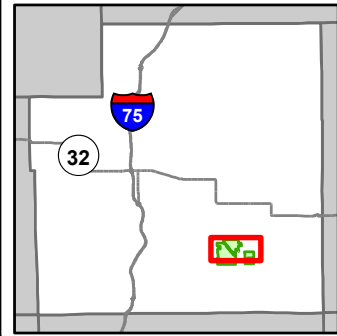


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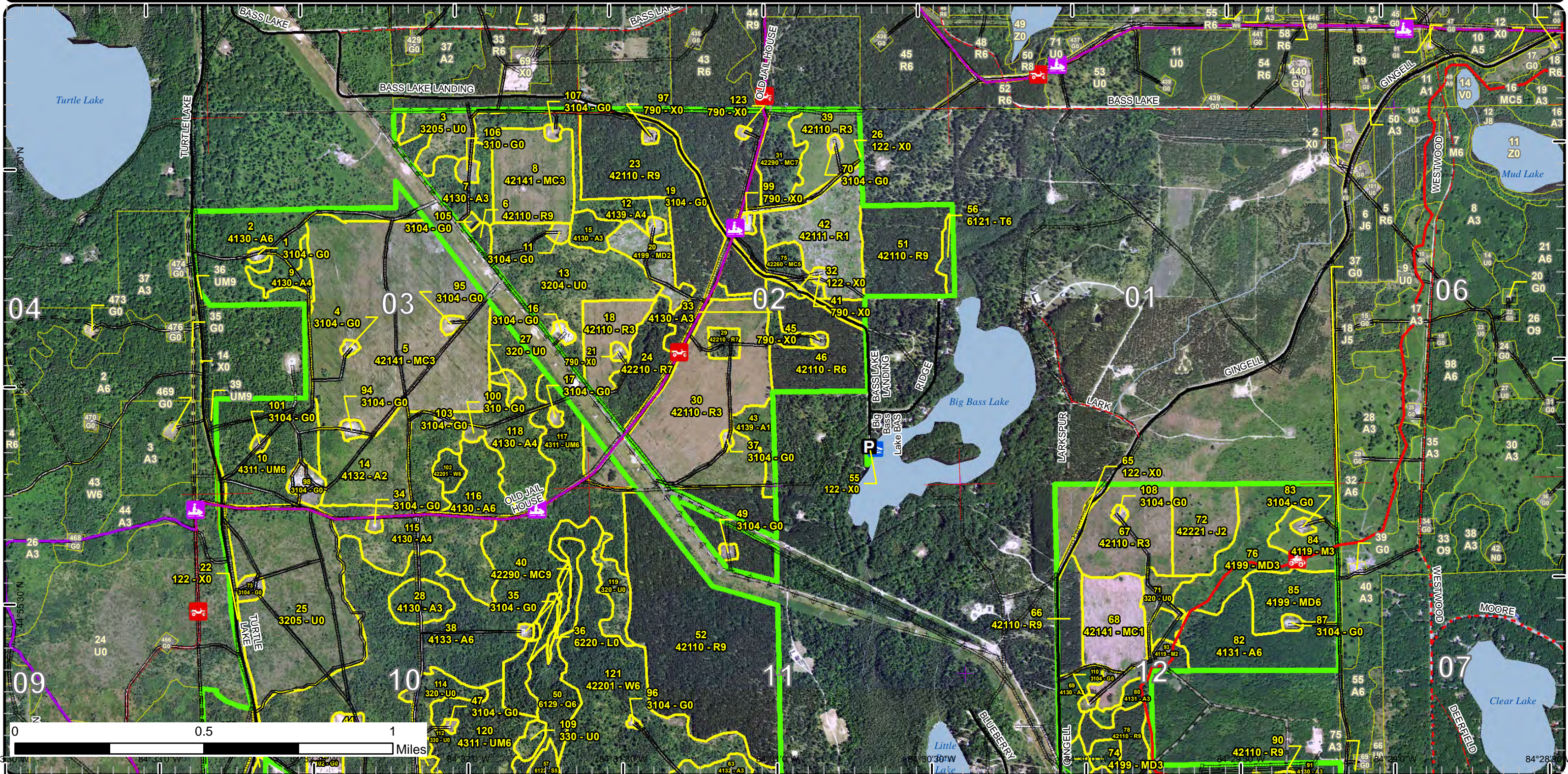


Stand Boundary Map

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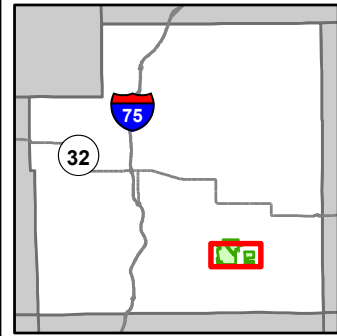


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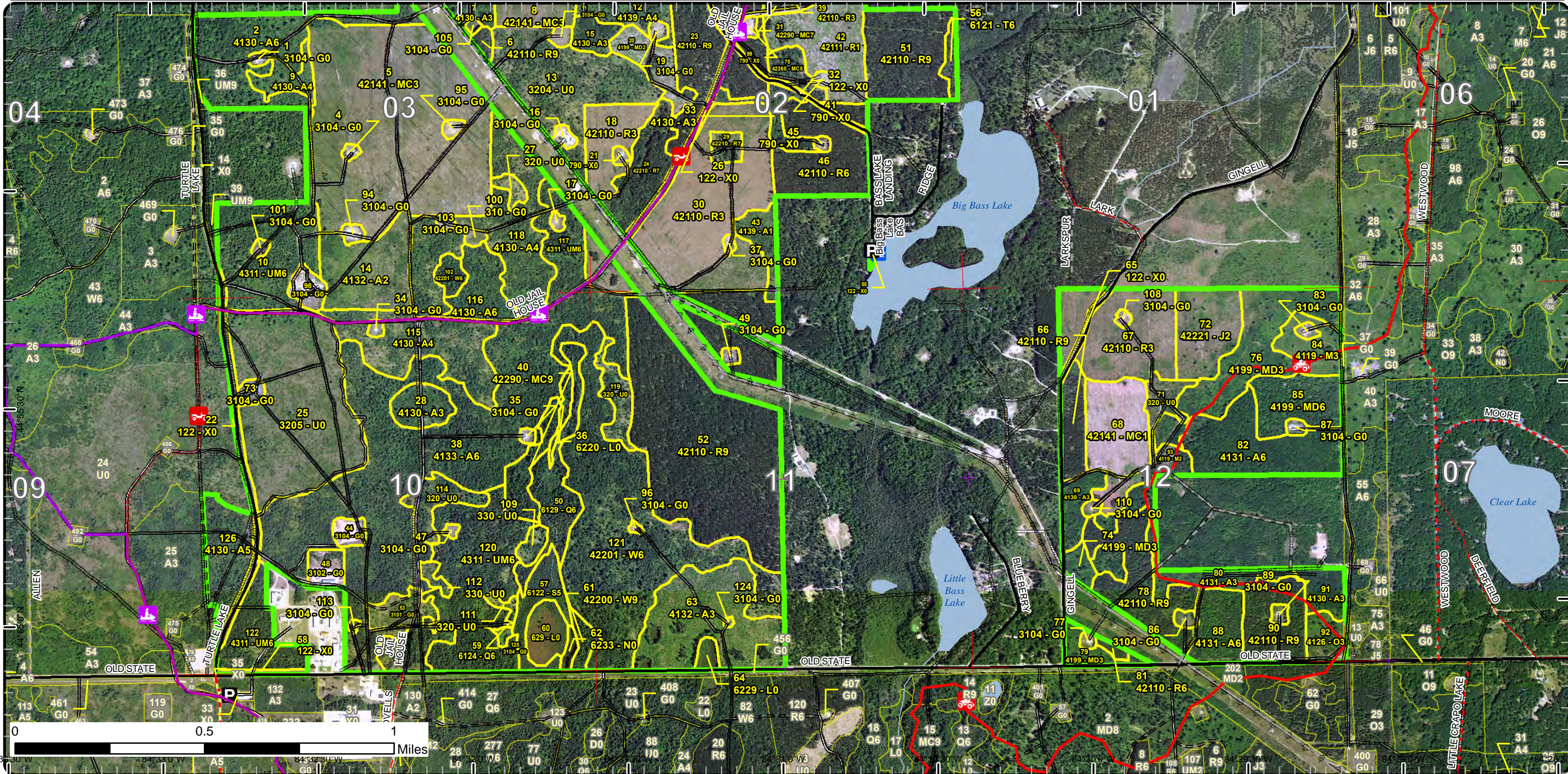


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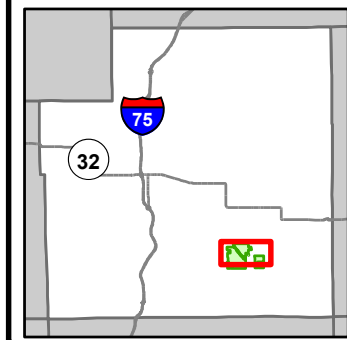


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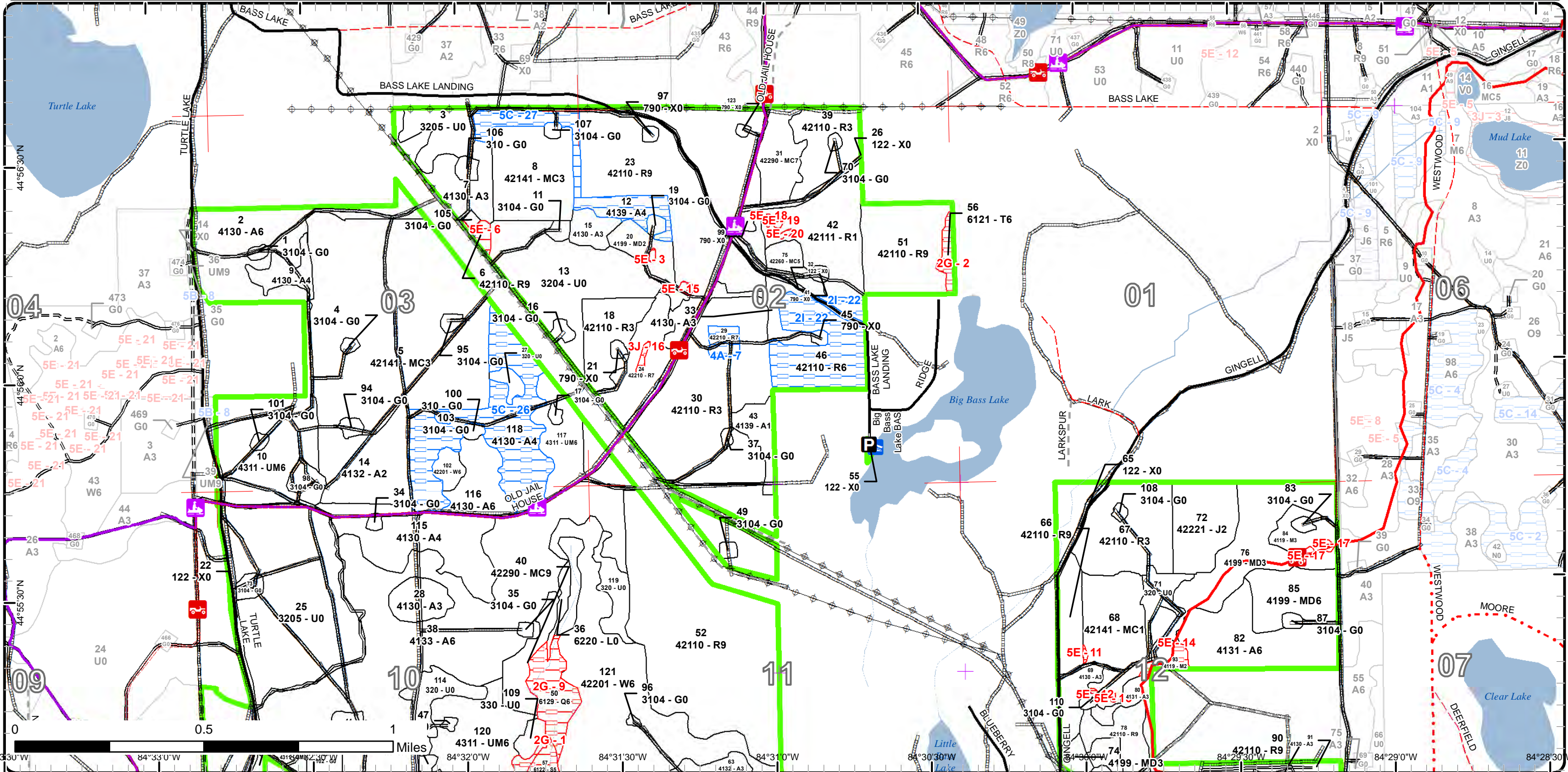


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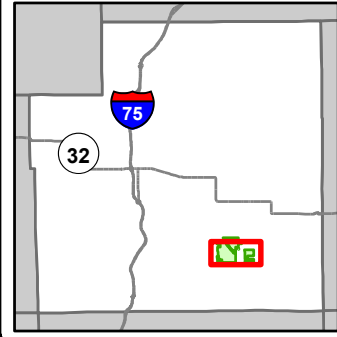


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- Compartment Boundary
- Available w/ Constraints
- 2I Survey needed
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries



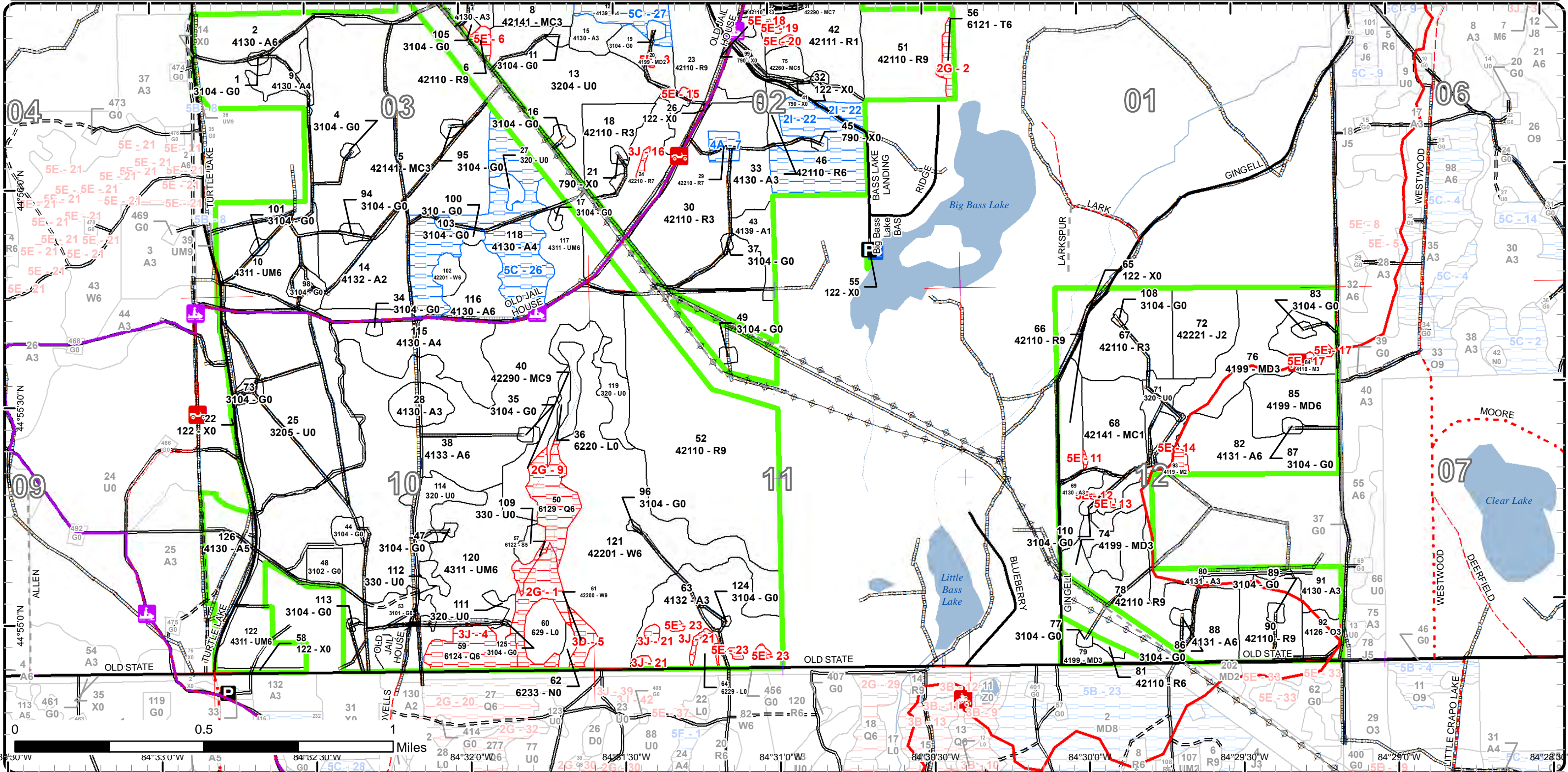
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- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed

4A: No Markets Available for these Forest Products
 5C: Delay treatment for age/size class diversity or exceptional site quality
 Unavailable
 2G: Too wet (sensitive soils, does not include access issues)
 3D: Recreational / Scenic values
 3J: Water quality / BMPs (stream, river, or lake)
 5E: Long-Term Retention
 Stand Boundaries



0 0.5 1 2 Miles
 84°33'30"W 84°33'0"W 84°32'30"W 84°32'0"W 84°31'30"W 84°31'0"W 84°30'30"W 84°30'0"W 84°29'30"W 84°29'0"W

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	10	110	102	8	92	296	0	0	0	0	0	0	0	0	0	0	0	618
Bare/Sparsely Vegetated	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Herbaceous Openland	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Jack Pine	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	32
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	13	52	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	86
Natural Mixed Pines	0	0	0	7	0	0	0	0	15	0	0	0	17	0	0	0	0	0	39
Northern Hardwood	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Oak	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Planted Mixed Pines	0	170	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203
Red Pine	0	34	164	0	0	0	0	375	23	0	4	0	0	0	0	0	0	0	599
Tamarack	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	44	92	0	0	0	0	0	0	0	0	0	0	0	136
Upland Shrub	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186
Urban	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
White Pine	0	0	0	0	113	0	4	0	0	0	0	0	0	4	0	0	0	0	121
Total	309	259	383	109	142	136	396	375	38	13	36	0	17	4	0	0	0	0	2216



Report 2 – Treatment Summary

Gaylord Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 11
Total Compartment Acres: 2,217

Commercial Harvest - 538
Harvests with Site Condition - 34
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	276	0	0	0	0	0	0	0	0	276
Red Pine	0	0	0	0	258	0	0	0	0	258
Upland Mixed Forest	29	0	0	0	9	0	0	0	0	38
Total	305	0	0	0	266	0	0	0	0	572

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	572	0	25	0	0	29	109	156		891
Next Step	0	0	0	0	104	0	281	25	0	410
Total	572	0	25	0	104	0	310	134	156	1301



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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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Approved Treatments:

3	52011003-NF	14.2	3205 - Mixed Upland Shrub	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub	No
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Prescription Mow, plant, burn, brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

5	52011005-Other	109.1	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	9	Immature	Other	Other	4211 - Planted Red Pine	Even-Aged	No
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Prescription Pre commercial thinning to remove competing jack pine volunteers.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

13	52011013-NF	50.3	3204 - Mast Producing Shrub	Nonstocked			NonForestMgt	Other - Specify	320 - Upland Shrub	No
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Prescription Mow, plant, burn, brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25	52011025-NF	84.4	3205 - Mixed Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	3204 - Mast Producing Shrub		No
<p><u>Prescription</u> Mow, plant, brush, burn, herbicide, to maintain this area as a non forested opening. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Percent to Treat = 100% Add trail specs and protect trails. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>											
38	52011038-Cut	80.5	4133 - Aspen, Mixed Pine	Poletimber Well	57	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, leave all red and white pine. Protect incidental oak during harvest. Leave minimal area retention, concentrated along stand 36. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> A mix of aspen, cherry, and red maple, that meets minimum stocking criteria. <u>Regen:</u> <u>Other</u> Include wildlife shrub protection specs and trail protection specs. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
38	52011038-Cut2	104.0	4133 - Aspen, Mixed Pine	Poletimber Well	57	1-50	Harvest	Clearcut with Retention	330 - Low-Density Trees		No
<p><u>Prescription</u> Final harvest stand, leave white pine. Utilize area retention. <u>Specs:</u> <u>Next Step</u> Burn, Opening <u>Treatments:</u> <u>Acceptable</u> Any mix of species is acceptable, the majority of this treatment will become part of a new RX Burn unit. <u>Regen:</u> <u>Other</u> Include appropriate trail protection specs. Discuss retention placement with representatives from adjacent gas facility. Majority of stand will become a new RX burn unit post harvest. Burn unit will be south of the snowmobile trail, and north of stand 48. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
42	52011042-Monitor	29.2	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	5	Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Year 3 regen survey <u>Specs:</u> <u>Next Step</u> Monitoring, Herbicide Use <u>Treatments:</u> <u>Acceptable</u> A fully stocked red pine plantation <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <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
46 52011046-Cut	33.7	42110 - Planted Red Pine	Poletimber Well	66	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to cut, target residual BA of 120-140. Target suppressed trees, trees with poor form, and trees with multiple leaders.</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> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
51 52011051-Cut	33.4	42110 - Planted Red Pine	Sawtimber Well	66	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to cut, target residual BA of 120-140. Target suppressed trees, trees with poor form, and trees with multiple leaders.</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 /2023</p>										
52 52011052-Cut	136.9	42110 - Planted Red Pine	Sawtimber Well	68	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark stand to cut with a target residual BA of 120-140. Target suppressed trees, trees of poor form, and trees with multiple leaders.</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 /2023</p>										
68 52011068-Plant	25.2	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Poor	7	Immature	Planting	Replant	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Replant stand based on year 3 regen survey results.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(1yr); Other, Pre-Commercial Thinning - Mechanical; Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A red pine stand that meets fully stocked standards</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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71	52011071-NF	7.5	320 - Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	320 - Upland Shrub	No
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Prescription Mow, plant, burn, brush, or herbicide to maintain openings. Plant hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

78	52011078-Cut	30.5	42110 - Planted Red Pine	Sawtimber Well	67	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to a target residual BA of 80-100. In areas with a lesser amount of oak regen target a 120 BA residual. In areas with well stocked

Specs: Oak understory thin with a target residual BA of 40-80. Around patches that were removed last entry, if that patch is well stocked with Oak seedlings, remove one row of trees around the patch to increase space and sunlight for regenerating oak.

Next Step

Treatments:

Acceptable

Regen:

Other Include appropriate trail protection specs. Leave the east 2 rows of the stand unmarked to inhibit any aspen seeding into the stand from the

Comment: adjacent harvest.

Site Condition

Proposed Start Date: 10/1 /2023

81	52011081-Cut	1.6	42110 - Planted Red Pine	Poletimber Well	68	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to a target residual BA of 80-100. In areas with a lesser amount of oak regen target a 120 BA residual. In areas with well

Specs: stocked Oak understory thin with a target residual BA of 40-80.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

88	52011088-Cut	16.1	4131 - Aspen, Oak	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Final harvest stand, cut all aspen and red maple. Mark XLog sized oak to leave. Protect Pole sized oak during harvest operations.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A mix of aspen, red maple, oak, that meets minimum stocking criteria. Any pine that seeds in will also be a bonus.

Regen:

Other For sale prep, it will probably be most efficient to just mark the oak we want to cut, and then spec out unmarked oak.

Comment:

Include appropriate trail protection specs

Site Condition

Proposed Start Date: 10/1 /2023

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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
90 52011090-Cut	21.7	42110 - Planted Red Pine	Sawtimber Well	67	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to a target residual BA of 80-100. In areas with a lesser amount of oak regen target a 120 BA residual. In areas with well stocked Oak understory thin with a target residual BA of 40-80.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Include appropriate trail protection specs. Leave the west 2 rows unmarked to discourage aspen from seeding into the stand from the adjacent harvest.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
115 52011115-Cut	39.0	4130 - Aspen	Poletimber Poor	48	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest, do not cut white pine. Use minimal area retention east of the North/South two track. West side of the two track will be part of a new RX burn block in the future.</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 aspen, cherry, and red maple that meets minimum stocking criteria. Any extra white pine that seeds in is a bonus.</p> <p><u>Other Comment:</u> Include appropriate trail protection specs.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
116 52011116-Cut	15.7	4130 - Aspen	Poletimber Well	53	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest, place retention around pockets of white pine, minimal 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 Regen:</u> A mix of deciduous species dominated by aspen the meets minimum stocking criteria.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
117 52011117-Cut	13.9	4311 - Pine, Aspen Mix	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4311 - Pine, Aspen Mix	Even-Aged	No
<p><u>Prescription</u> Final harvest, use minimal area retention. Protect pine regen during harvest, and leave any pine trees 16 inches or greater.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A mix of aspen, red maple, cherry, white pine, and oak that meets minimum stocking requirements.</p> <p><u>Other Comment:</u> Include appropriate trail protection specs.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
117 52011117-Thinning	3.2	4311 - Pine, Aspen Mix	Poletimber Well	57	81-110	Harvest	Crown Thinning	4311 - Pine, Aspen Mix	Even-Aged	No
<p><u>Prescription</u> Mark to cut with a target residual of 80 to 100 BA. Focus efforts on releasing pine poles/logs to allow for stem development.</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> Include appropriate trail protection specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
122 52011122-Cut	15.1	4311 - Pine, Aspen Mix	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest this area, do not cut pine. Leave the minimum of area 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 aspen, red maple, white pine, and oak, 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 /2023</p>										
122 52011122-Thinning	5.3	4311 - Pine, Aspen Mix	Poletimber Well	57	81-110	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Thin white pine dominated portion of stand by marking out North/South rows for equipment operations. Rows should be 15 feet wide and 45 feet apart. If opportunity presents itself, mark trees in between rows to promote residual growth, remove trees of poor form and quality. Target residual BA of 120.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> This portion of the treatment is a thinning, no need for a regen check at this time.</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 /2023</p>										
126 52011126-Cut	20.9	4130 - Aspen	Poletimber Medium	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest, minimum area retention to be applied.</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 deciduous species dominated by aspen 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 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment Acreage Proposed: 891.4

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 11
Year of Entry: 2024

Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

2I 4A 5C 2G 3D 3J 5E

Site No.	Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Condition	2I	4A	5C	2G	3D	3J	5E
515	434	75	5		Aspen			75			3	2
6	6	0	0		Bare/Sparsely Vegetated							
60	60	0	0		Herbaceous Openland							0
24	24	0	0		Jack Pine							
6	6	0	0		Low-Density Trees							
32	0	0	32		Lowland Conifers				17		15	
16	16	0	0		Lowland Shrub							
13	0	0	13		Lowland Spruce/Fir				13	0	0	
2	2	0	0		Marsh					0		
86	85	0	1		Mixed Upland Deciduous							1
39	39	0	0		Natural Mixed Pines				0			
23	19	0	4		Northern Hardwood							4
8	8	0	0		Oak							
203	203	0	0		Planted Mixed Pines							0
600	558	38	4		Red Pine	34	4				1	3
4	0	0	4		Tamarack				4			
136	136	0	0		Upland Mixed Forest							
186	186	0	0		Upland Shrub							
32	32	0	0		Urban							
122	117	0	4		White Pine				0	4		
2,112	1,931	113	68		Total Forested Acres	34	4	75	34	4	19	11
	91%	5%	3%		Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 11
Year of Entry: 2024

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sale #520111401							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Lots of vernal ponds, flowing water throughout the stand.							
5	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand was left as retention during the RPP.							
7	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small stand -vast majority not merchantable other than a few scattered pine logs in the south.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 11
Year of Entry: 2024

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: A wet conifer swamp, this drainage was only area in compartment with significant deer activity.							
11	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sale # 520111401							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sale# 520111401							
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sale #520111401							
14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 11
Year of Entry: 2024

17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SALE# 520111401							
19	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SALE #520111401							
20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SALE # 520111401							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2I: Survey needed	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No corners found during inventory, will go out and look for corners again in the spring.							
23	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 11
Year of Entry: 2024

26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Stand will be held and re evaluated next YOE.</p>							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Will delay treatment until adjacent stand 23 is re entered.</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

Mgt. Unit

Compartment:

Year of Entry



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
1	3104 - Degraded	Nonstocked	1.1			Well site																																																										
2	4130 - Aspen	Poletimber Well	46.1	26	1-50	N/A	Oak and pine look to have been left during harvest. Regen much nicer and thicker than stand 9. A decent amount of oak developing into poles. Harvested in 96 under sale#520059601.																																																									
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>15</td> <td>XLog/Log/Pole</td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>68</td> <td>Pole/Sapling</td> <td>5</td> <td>26</td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	15	XLog/Log/Pole	18		White Pine	10	Log	12		Red Pine	2	Log	12		Quaking Aspen	68	Pole/Sapling	5	26	Red Maple	3	Pole/Sapling	5		Bigtooth Aspen	2	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Cherry (spp.)</td> <td>High</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Serviceberry (Juneberry)</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Oak (spp.)</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	White Pine	Trace	Variable	Sapling	Cherry (spp.)	High	Variable	Tall Shrub	Serviceberry (Juneberry)	Low	Variable	Tall Shrub	Oak (spp.)	Low	Variable	Sapling
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5	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	144.4	9	Immature	N/A	Site trenched in 2012. Planted in 2013. Additional red/white oak saplings planted in 2014. Currently ready for a year 3 regen survey sometime in the summer of 2017. Year 3 regen survey results (723 red pine, 1059 jack pine/aspens). This stand has been updated from a field evaluation for a project on free to grow red pine. Portion of stand had PCT work completed in 06/2021. Check Treatment History layer for area. The rest of the PCT work should be done in 2022.																																																									
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6	42110 - Planted Red Pine	Sawtimber Well	2.5	71	141-170	N/A	A red and jack pine plantation. Jack Pine starting to fall out.																																																									
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7	4130 - Aspen	Sapling Well	18.9	25	Immature	N/A	Aspen, large diameter oak left along with non merchantable Red Maple clumps.																																																														
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8	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	33.2	12	Immature	N/A	Site was trenched in 2010, sprayed in 2011, then planted in the spring of 2012. According to year 3 survey only about 20% of the saplings are red pine, the rest is a mix of cherry, red maple, and jack pine. Mixed stand acceptable here? Red/white oak sapling, and crabapple planted 2016. Per 2022 inventory, current mix is acceptable regen and will be managed as a mixed stand.																																																														
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10	4311 - Pine, Aspen Mix	Poletimber Well	44.2	45	51-80	N/A	Aspen and pine w/ scattered sawlog red oak. Size, composition, and stocking varies.																																																														
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13	3204 - Mast Producing Shrub	Nonstocked	50.3			No	An upland brush stand.																																																							
14	4132 - Aspen, Jack Pine	Sapling Medium	30.9	12	Immature	N/A	Area has come back to a mix of mainly aspen and jack pine. Cherry is stump sprouting as well. Does not meet criteria of an upland brush stand if that is the objective. Per 2022 inventory, will accept current mix and manage as a forested stand.																																																							
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18	42110 - Planted Red Pine	Sapling Well	18.3	10	Immature	N/A	Stand was recently harvested and has been trenched. It will be planted spring 2012. Site sprayed in 2012, planted 05/14/2013. Year 1 and Year 3 regen surveys completed. Site will be field checked again next YOE. This stand has been updated from a field evaluation for a project on free to grow red pine.																																																							
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19	3104 - Degraded	Nonstocked	1.5				State Chester B1-2																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
20	4199 - Other Mixed Upland Deciduous	Sapling Medium	12.6	7	Immature	N/A	Cut fall 2015. #520111401. Lots of cherry sprouts. Aspen will probably start to dominate more over time. Some volunteer jack pine growing. Scattered sub merch pin oak saps left from sale.																																															
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21	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.1		Immature		State Chester Venture 32																																															
22	122 - Road/Parking Lot	Nonstocked	11.5			No	Turtle Lake Road																																															
23	42110 - Planted Red Pine	Sawtimber Well	105.5	66	141-170	N/A	Stand thinned in 2007 RFFP Red Pine (52-004-04).																																															
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24	42210 - Natural Red Pine	Sawtimber Poor	20.4	76	51-80	N/A	Areas of regenerating aspen topped by sawlog red pine. Some red pine look natural most look planted. Low spot in the center of the stand, looks to be a high water table killing pine around the low spot.																																															
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25	3205 - Mixed Upland Shrub	Nonstocked	86.6			Managed Opening	An upland brush stand. Crabapple planted 07/01/17. Rx burn completed 2019, keep RX Burn prescription on and stand in burn rotation. Unit 3 of FTP W52-243 Turtle Lake Road Unit 3 RX.																																															
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26	122 - Road/Parking Lot	Nonstocked	9.6			No	Road/snowmobile trail																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
27	320 - Upland Shrub	Nonstocked	2.8		Immature	No	Cheery brush, some aspen saps, a few juneberry.			
28	4130 - Aspen	Sapling Well	10.0	7	Immature	N/A	2012 - A recently harvested red pine stand that is now managed for mixed upland brush. 2022 - Per inventory regen mix is acceptable and stand will be managed as a forested stand.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Quaking Aspen	90	Sapling	1	7	Willow spp.	Trace	5 - 10 feet	Sapling
		Red Pine	3	Log	12		Serviceberry (Juneberry)	Trace	Variable	Tall Shrub
		Jack Pine	2	Log/Pole	10		Jack Pine	Trace	5 - 10 feet	Sapling
		White Pine	5	Log/Pole	10		Cherry (spp.)	Low	5 - 10 feet	Tall Shrub
29	42210 - Natural Red Pine	Sawtimber Poor	4.1	96	1-50	N/A	Open grown pine and aspen.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Quaking Aspen	20	Sapling/Pole	3		Red Pine	Low	5 - 10 feet	Sapling
		White Pine	20	Pole	8	40	White Pine	Low	Variable	Sapling
		Red Pine	60	Log/XLog	14	96	Deciduous Saplings	Low	Variable	Sapling
							Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
							Cherry (spp.)	Medium	Variable	Sapling
30	42110 - Planted Red Pine	Sapling Well	82.8	10	Immature	N/A	Stand was recently harvested and has been trenched. It will be planted spring 2012. Site sprayed in 2012, planted 05/14/2013. Year 1 and Year 3 regen surveys completed. Site will be field checked again next YOY. This stand has been updated from a field evaluation for a project on free to grow red pine.			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Black Cherry	13	Sapling	1					
		Red Pine	85	Sapling	1	10				
		Quaking Aspen	2	Sapling	1					
31	42290 - Natural Mixed Pine	Sawtimber Poor	15.2	79	51-80	N/A	A mixed pine stand with white pine dominating the understory.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Jack Pine	5	Pole	5		Quaking Aspen	Low	Variable	Sapling
		Quaking Aspen	3	Pole/Sapling	5		White Pine	Medium	Variable	Sapling
		Red Maple	2	Pole/Log	8		Jack Pine	Low	Variable	Sapling
		Red Pine	45	Log/XLog	15	79	Serviceberry (Juneberry)	Low	Variable	Tall Shrub
		White Pine	45	Log/XLog/Pole	12	79	Cherry (spp.)	Medium	Variable	Tall Shrub
							Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
							Red Pine	Low	Variable	Sapling
							Red Maple	Low	Variable	Sapling
32	122 - Road/Parking Lot	Nonstocked	6.2			No	Bass Lake Landing Road			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
33	4130 - Aspen	Sapling Well	8.7	24	Immature	N/A	A regenerating aspen and brush stand with other associated species present throughout. A few sawlog red and white pine present as well as a few bigger clumps of red maple (mostly in north and east). Stand is patchy with pockets of aspen and jack pine. Avg 15-20' tall. Sale 520059601.																																																			
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34	3104 - Degraded	Nonstocked	1.0		Immature		State Chester 4-10																																																			
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36	6220 - Alder/willow	Nonstocked	3.1			No	A lowland drainage																																																			
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38	4133 - Aspen, Mixed Pine	Poletimber Well	184.5	57	1-50	N/A	Elk tracks present. Notice some elk browse but not much. Poor quality aspen. Pockets of thick white pine regen. Scattered jack and red pine also. Did not see much red maple. Much of the canopy cover is non-merch. Ground cover looks to be mainly bracken and sweet fern. Stocking varies, lots of open areas, pockets of poles, saps throughout. Pine denser and stand displays better quality the farther east you go (closer to water?). Scattered balsam fir located along adjacent Q types.																																																			
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39	42110 - Planted Red Pine	Sapling Well	19.5	12	Immature	N/A	Harvested in 2011, trenched 2011. Pre planting herbicide treatment in 2012, and planted in 2012. NW corner red maple is over topping planted red pine.																																																	
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40	42290 - Natural Mixed Pine	Sawtimber Well	16.9	110	81-110	N/A	A natural sawlog size pine stand. East side of drainage has much higher BA vs the west side of the drainage. West side is heavier to white pine, nice looking natural white pine regen throughout.																																																	
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41	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.1				Well site																																																	
42	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	33.7	5	Immature	N/A	Cut winter 2015. #520111401. Roller chopped 8/23/2016. Trenched 10/11/2016. Planted by Superior Forestry 5/2/2017. Initial stocking 889 trees per acre. FTP 52-429. Passed year one regen survey, release spraying scheduled for fall 2019. Release spraying completed 09/29/2021. Release spraying seems to have knocked back quite a bit of aspen, cherry, and red maple, however there is still quite a bit of competing vegetation, only about 75% of RP would be considered FTG at this time. Finger in the east was left unplanted due to closely packed retention.																																																	
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43	4139 - Aspen, Mixed Deciduous	Sapling Poor	8.9	15	Immature	N/A	Regenerating to red maple and aspen. Regen 5-10' tall, pockets of mixed aspen and red maple stump sprouts. A minor component of oak. Looks like bracken and sedge are ground cover, could see wintergreen in some melted areas. Elk browse. sale#520030401 Was FTP to plant red pine -T. Greco will chapter 7.																																																	
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46	42110 - Planted Red Pine	Poletimber Well	33.7	66	201+	N/A	Red Pine stand thinned in 2007 (52-004-04) RFFP Red Pine.																																																				
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48	3102 - Grass	Nonstocked	6.1			No	Old Wilderness Chester CO2 site. Site has returned to state ownership (11/9/2018) after reclamation efforts. Gravel removed from site - grass and a few trees have been planted																																																				
49	3104 - Degraded	Nonstocked	1.2				well site																																																				
50	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	17.0	95	81-110	N/A	A narrow conifer drainage																																																				
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53	3101 - Poverty Grass, Cladonia	Nonstocked	8.8		Immature	No	A small open area.																																																				
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55	122 - Road/Parking Lot	Nonstocked	0.6			No	Boat ramp and parking lot																																																				
56	6121 - Tamarack	Poletimber Well	3.8	59	51-80	N/A	Lowland area. Water table looks to be rising all species noted in canopy in previous inventory dead standing. Tamarack still alive but even some have started to die off. White pine along south and west edge.																																																				
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57	6122 - Black Spruce	Poletimber Medium	12.9	85	1-50	N/A	A very wet conifer stand.																																																				
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59	6124 - Lowland Spruce-Fir	Poletimber Well	14.9	90	51-80	N/A	A mixed conifer swamp.																																																																		
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60	629 - Mixed non-forested wetland	Nonstocked	9.6			No	A blueberry covered lowland area with scattered conifer seedling and saplings.																																																																		
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61	42200 - Natural White Pine	Sawtimber Well	4.4	128	141-170	N/A	A small natural pine stand adjacent to a lowland.																																																																		
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62	6233 - Wet Meadow	Nonstocked	2.0			No	A wet area covered with grass and sedge.																																																																		
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63	4132 - Aspen, Jack Pine	Sapling Well	51.8	12	Immature	N/A	Stand recently harvested, will be managed as upland brush. Coming back to a forested covertype. Per 2022 inventory, current mix is acceptable and stand will be managed as a forested cover type going forward.																																																																		
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64	6229 - Mixed lowland shrub	Nonstocked	2.9			No	A small lowland area filling in with trees.																																				
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65	122 - Road/Parking Lot	Nonstocked	2.4			No	Gingell Rd																																				
66	42110 - Planted Red Pine	Sawtimber Well	12.1	67	141-170	N/A	A red pine plantation with a pocket of jack pine in the northwest corner. Most of the regen is found underneath the jack pine that is starting to fall out.																																				
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67	42110 - Planted Red Pine	Sapling Well	43.0	10	Immature	N/A	Planting finished in may 2012. Oak and crabapple planted on 3 separate occasions in 2013, 2014, and 2016. Year 1 and 3 regen surveys complete. FTP 52-314. This stand has been updated from a field evaluation for a project on free to grow red pine. PCT work completed 07/07/2021.																																				
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68	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Poor	25.5	7	Immature	N/A	Stand to be managed for red pine. Harvested fall/winter of 2015. #52011401 Site trenched 6/7/2016. Planted 5/2/2017, initial planting 847 trees per acre. Red oak, white oak, and crabapple planted 07/01/17. FTP 52-430. Passed year one regen survey, will be released sprayed fall 2019. Jack pine dominates where former mature jack pine strips located. Site was scheduled to be replanted based on year 3 regen survey, but seedlings were not available to replant so start date will be pushed to next YOE.																																				
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69	4130 - Aspen	Sapling Well	13.3	24	1-50	N/A	A regenerating Aspen stand less red oak in this stand, aspen looks ok. Harvested with sale 520059601.																																				
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70	3104 - Degraded	Nonstocked	0.9		Immature		State Chester A3-2																																				



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71	320 - Upland Shrub	Nonstocked	7.5			No																																																																
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72	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	23.7	12	Immature	N/A	Meant to be upland brush, growing into forested stand. Jack pine dominates. A few healthy oak saps but most browsed near death. Stand harvested in 2010 as part of sale 52-034-08 Comp 2 & 11 RPP.																																																															
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73	3104 - Degraded	Nonstocked	2.7		Immature		State Chester 2 -10, also a booster shed SCV 3-10.																																																															
74	4199 - Other Mixed Upland Deciduous	Sapling Well	4.4	15	Immature	N/A	Stand harvested 2007																																																															
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75	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	7.3	24	1-50	N/A	Sale 520059601. Decent amount of white pine and jack pine regeneration. Look to have left all mature red pine and white pine during harvest.																																																															
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76	4199 - Other Mixed Upland Deciduous	Sapling Well	41.0	15	Immature	N/A	Stand harvested in 2007. Variable stocking by species. Already noticing hypoxylon canker on some aspen stems.																																																															
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78	42110 - Planted Red Pine	Sawtimber Well	30.5	67	141-170	N/A	Red pine plantation. Looks like they removed all other species except for oak in a few patches scattered throughout the stand. Nicely developing oak in the understory.																																																		
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82	4131 - Aspen, Oak	Poletimber Well	37.0	46	51-80	N/A	A nice looking even aged stand. Heavy deer use.																																																		
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85	4199 - Other Mixed Upland Deciduous	Poletimber Well	21.0	38	1-50	N/A	Diverse stand																																																															
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88	4131 - Aspen, Oak	Poletimber Well	16.1	47	51-80	N/A	Patchy stand of aspen with pockets of oak. Good looking oak regen that is just starting to develop into pole sized trees.																																																															
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89	3104 - Degraded	Nonstocked	1.4			State Chester 2 - 12																																																																
90	42110 - Planted Red Pine	Sawtimber Well	21.7	67	141-170	N/A	Decent looking red pine plantation, some areas are pretty patchy as shown by the high confidence interval. Nicely developing under story with more oak than usual.																																																															
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91	4130 - Aspen	Sapling Well	9.0	24	Immature	N/A	A regenerating aspen stand. A few residual white oak and red oak in the overstory. Cut with sale 520059601.																																															
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92	4126 - White, Black, N. Pin Oak	Sapling Well	8.2	8	Immature	N/A	A nice mix of white oak and black/red oak regen. Red Maple in the mix as well. Some aspen creeping in from adjacent stand 91.																																															
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93	4119 - Mixed Northern Hardwoods	Sapling Medium	10.8	7	Immature	N/A	harvested fall/winter 2015. #520111401 Heavy browse damage on red maple and oak. Also evidence of frost kill on oak leaders from spring 2021.																																															
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97	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.0				State Chester A1-2																																															
98	3104 - Degraded	Nonstocked	5.2		Immature	No	Turtle lk rd, pipelines, snowmobile trail, and oil storage facility. Former St Chester 10 CPF and St Chester 1-10. Site closed. Note active pipelines are still in place. RxM																																															
99	790 - Other Bare/Sparsely Vegetated	Nonstocked	1.3		Immature		State Chester B2-2																																															
100	310 - Herbaceous Openland	Nonstocked	1.4		Immature	No	Opening, some sweet fern and knapweed. A few scattered aspen poles and black cherry shrubs.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																															
101	3104 - Degraded	Nonstocked	1.1				State Chester Venture 37																															
102	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	4.2	59	81-110	N/A	Small stand of regenerating white pine.																															
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105	3104 - Degraded	Nonstocked	0.8	0			Well site																															
106	310 - Herbaceous Openland	Nonstocked	2.1			No	Old gas well site																															
107	3104 - Degraded	Nonstocked	1.1				State Chester A4-3																															
108	3104 - Degraded	Nonstocked	0.9		Immature		State Chester 6 - 12																															
109	330 - Low-Density Trees	Nonstocked	3.5		Immature	No																																
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110	3104 - Degraded	Nonstocked	1.1				State Chester 5 - 3 - 12																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
111	320 - Upland Shrub	Nonstocked	2.9		Immature	No					
								Sub-Canopy Species	Density	Avg. Height	Size
								Jack Pine	Low	>20 feet	Log
								Cherry (spp.)	Low	5 - 10 feet	Sapling
								Willow spp.	Low	10 - 20 feet	Sapling
								Red Pine	Low	>20 feet	Log
								White Pine	Low	>20 feet	Pole
Balsam Fir	Trace	>20 feet	Log								
112	330 - Low-Density Trees	Nonstocked	2.3		Immature	No					
								Sub-Canopy Species	Density	Avg. Height	Size
								Red Pine	Low	>20 feet	Log
								White Pine	Low	10 - 20 feet	Sapling
								Sweet Fern	High	5 - 10 feet	Tall Shrub
								Jack Pine	Trace	10 - 20 feet	Sapling
								Cherry (spp.)	Medium	10 - 20 feet	Sapling
Quaking Aspen	Low	>20 feet	Log								
113	3104 - Degraded	Nonstocked	0.5	0		No	Well Site				
114	320 - Upland Shrub	Nonstocked	10.8		Immature	No					
								Sub-Canopy Species	Density	Avg. Height	Size
								Red Pine	Trace	Variable	Log
								Aspen (spp.)	Medium	Variable	Pole
								Cherry (spp.)	Medium	Variable	Sapling
								Jack Pine	Trace	>20 feet	Pole
								White Pine	Low	10 - 20 feet	Pole
Sweet Fern	Medium	5 - 10 feet	Tall Shrub								
115	4130 - Aspen	Poletimber Poor	39.0	48	1-50	N/A	Low quality aspen, some mixed pines and areas of upland brush.				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size			
Jack Pine	2	Pole	8		White Pine	Trace	Variable	Sapling			
Quaking Aspen	86	Pole/Sapling	5	48	Serviceberry (Juneberry)	Low	Variable	Tall Shrub			
White Pine	10	Pole/Log	8		Hawthorn (spp.)	Low	< 5 feet	Tall Shrub			
Red Pine	2	Log/Pole	10		Aspen (spp.)	Low	Variable	Sapling			
					Cherry (spp.)	Medium	Variable	Sapling			
					Willow spp.	Low	< 5 feet	Tall Shrub			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
116	4130 - Aspen	Poletimber Well	15.7	53	51-80	N/A	Similar in composition to adjacent stand 118 just better stocking but same poor quality.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		88	Pole	8	53	Willow spp.		
White Pine		10	Pole	7		White Pine		
Jack Pine		2	Pole	8		Serviceberry (Juneberry)		
						Hawthorn (spp.)		
						Cherry (spp.)		
117	4311 - Pine, Aspen Mix	Poletimber Well	17.1	57	81-110	N/A	Much higher quality aspen than surrounding stands to the west or south. Still issues with hypoxylm canker though. Super canopy white pine and red pine present. Center of stand dominated by white pine poles and small logs.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		10	Log/Pole/XLog	15		Willow spp.		
Red Maple		2	Pole	8		Black/Red (Hybrid) Oak		
White Pine		38	Pole/Log/XLog	9		Cherry (spp.)		
Quaking Aspen		50	Pole/Log	9	57	Red Pine		
						Serviceberry (Juneberry)		
						Aspen (spp.)		
						White Pine		
118	4130 - Aspen	Poletimber Poor	54.1	51	1-50	N/A	Aspen stand, poor quality quaking aspen.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		80	Pole/Sapling	7	51	White Pine		
Black Cherry		15	Pole	7		Red Pine		
White Pine		5	Pole/Log	8		Serviceberry (Juneberry)		
						Hawthorn (spp.)		
						Cherry (spp.)		
						Willow spp.		
119	320 - Upland Shrub	Nonstocked	9.1	0		No	Upland brush	
Sub-Canopy Species		Density	Avg. Height	Size				
Cherry (spp.)		Medium	5 - 10 feet	Tall Shrub				
Nannyberry		Low	5 - 10 feet	Tall Shrub				
Willow spp.		Low	< 5 feet	Sapling				
Serviceberry (Juneberry)		Medium	10 - 20 feet	Sapling				
Aspen (spp.)		Low	5 - 10 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
120	4311 - Pine, Aspen Mix	Poletimber Well	54.3	57	51-80	N/A	Variable densities and stocking. Scattered xlog white and red pine present. Some small lowland depressions in the southeast, size class drops from north to south.																																																											
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121	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	112.9	30	1-50	N/A	Occasional xlog white pine and red pine. Aspen is of extremely poor quality. Lots of white pine filling in. Open inclusions dominated by sweet fern and a variety of shrub cherry species. Estimate is age of developing white and red pine. Current age is from cored xlog white and red pine. Aspen better quality in north closest to stand 36.																																																											
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122	4311 - Pine, Aspen Mix	Poletimber Well	20.4	57	81-110	N/A	Poor quality aspen but more developed than the rest of the compartment. White pine dominant in the center of the stand.																																																											
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123	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.6		Immature		State Chester A2-2																																																											
124	3104 - Degraded	Nonstocked	0.4		Immature		State Chester - 12																																																											
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