



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72027

Entry Year 2025

Acreage: 2,304

County Oscoda

Management Area: Avery Hills

Stand Examiner: Garret Price

Legal Description:

28N R03E Sections 3, 4, 5, 8, 9, 10, and 18

Identified Planning Goals:

Many red pine stands were treated as a result of the Red Pine Project, during the past 10 years. The emphasis of management shall be on retaining and enhancing the natural beauty and biological diversity of the area. Management will also improve wildlife habitat for both hunting and observation purposes while maintaining forest health, productivity, sustainability, species and structural diversity while accounting for visual management and multiple uses. During the last inventory cycle a land exchange was completed where a parcel of landlocked state property was exchanged for private land that is adjacent to existing state land. The state land within compartment is readily accessible to the public.

Soil and topography:

Soil types within this compartment consist mostly of Emmet loamy sand, Emmet sandy loam, Rubicon sand, Roselawn sand and Houghton muck. Topography is gently rolling terrain containing ridge tops and valleys with individual kettle holes and steep hills.

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

State ownership is solid in Section 5, scattered in Sections 3, 4, 8, 9, 10 and 18. There are a few private parcels in Sections 5 and 8. The state land is heavily used for dispersed recreation, including hunting, snowmobile riding, and mushroom picking.

Unique Natural Features:

Potts Lake.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

No occurrence at this time.

Watershed and Fisheries Considerations:

This compartment contains Potts Lake and Gilchrist Creek which is a cold-water designated trout stream.

Wildlife Habitat Considerations:

Fairly good wildlife habitat still exists, but it is increasingly being fragmented by new trail roads and pipelines related to oil and gas development and establishment of non-designated recreational trails through heavy use.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium, coarse-textured glacial till and an end moraine of medium-textured till. Glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Coldwater Shale. There is not an economic use for the Coldwater Shale. Gravel pits are located one mile to the north and potential appears to be good. This compartment is leased for oil and gas development and most of it has been developed for the Antrim Shale gas production.

Vehicle Access:

Access is obtained to most of the compartment from county roads (Hill, Mount Tom, and Boiling Springs) along with a series of forest trail roads. Most of these trail roads are drivable by a two-wheel drive vehicle and many of them are plowed in the winter to access Antrim well sites year around. No existing roads need to be closed at this time. All new roads created through management activities are to be closed upon completion.

Survey Needs:

A survey is needed for the NE corner of Section 18.

Recreational Facilities and Opportunities:

This compartment receives dispersed heavy recreational use, particularly from snowmobilers and hunters. Part of a designated cycle trail runs in Sections 5, 8, and 18.

Fire Protection:

Current road system is adequate, and no timber conversion is needed.

Additional Compartment Information:

The following reports from the Inventory are attached:

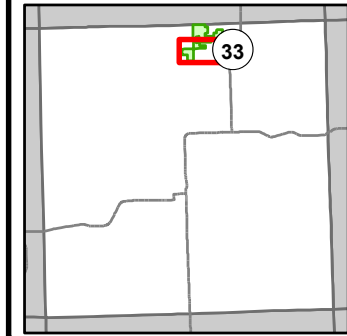
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

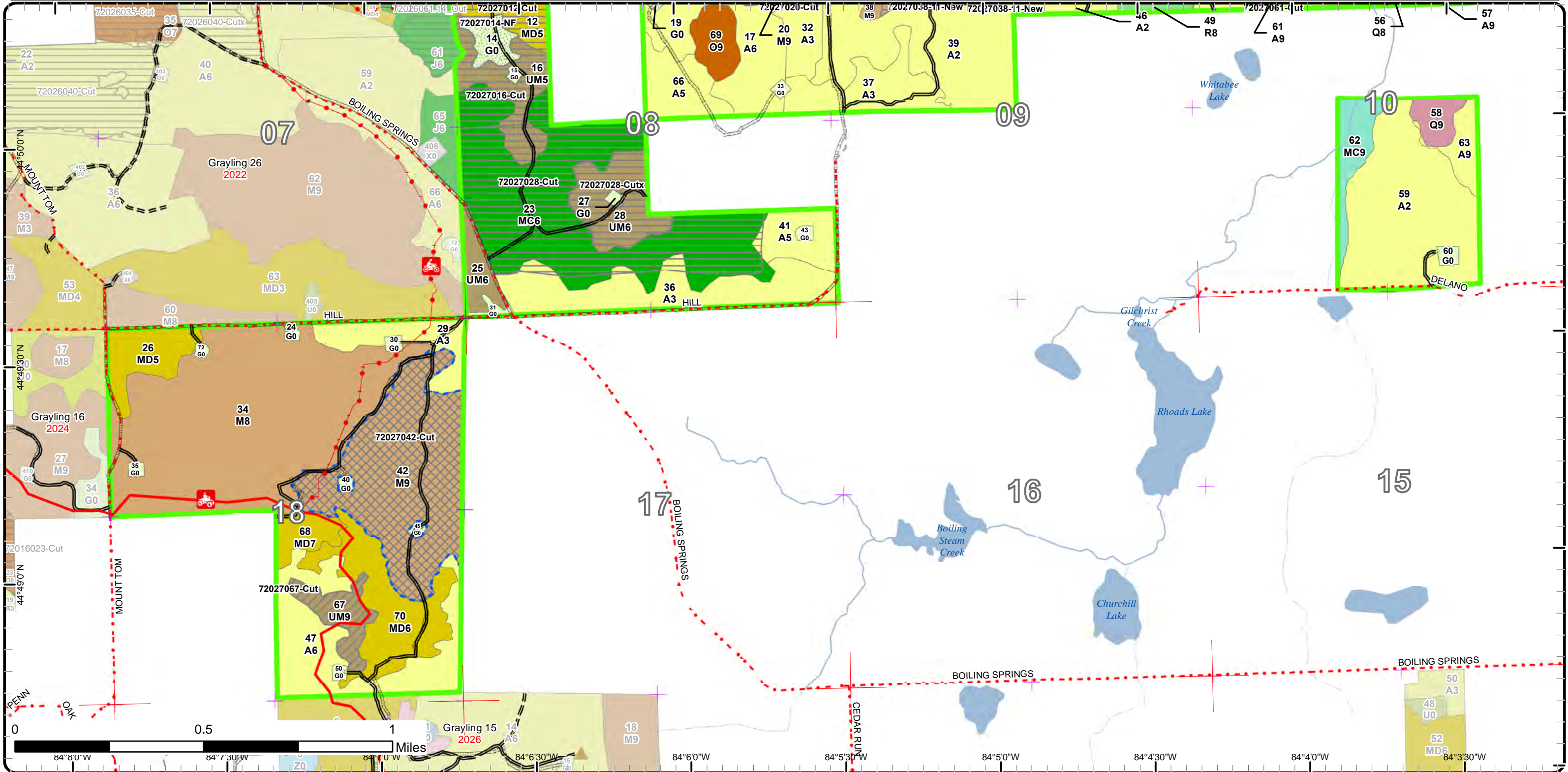
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 27
 T28N R03E 03-05, 08-10, 18
 County: Oscoda
 Unit: Grayling
 Mgmt Area: Avery Hills
 YOE: 2025
 Acres: 2304.4 GIS Calculated
 Examiner: Garret Price
 Map Revised: 11/28/2023
 Map Phase: Post-Maps



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🏍️ ORV Trails
- ORV License & Trail Permit
- Designated ATV
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland

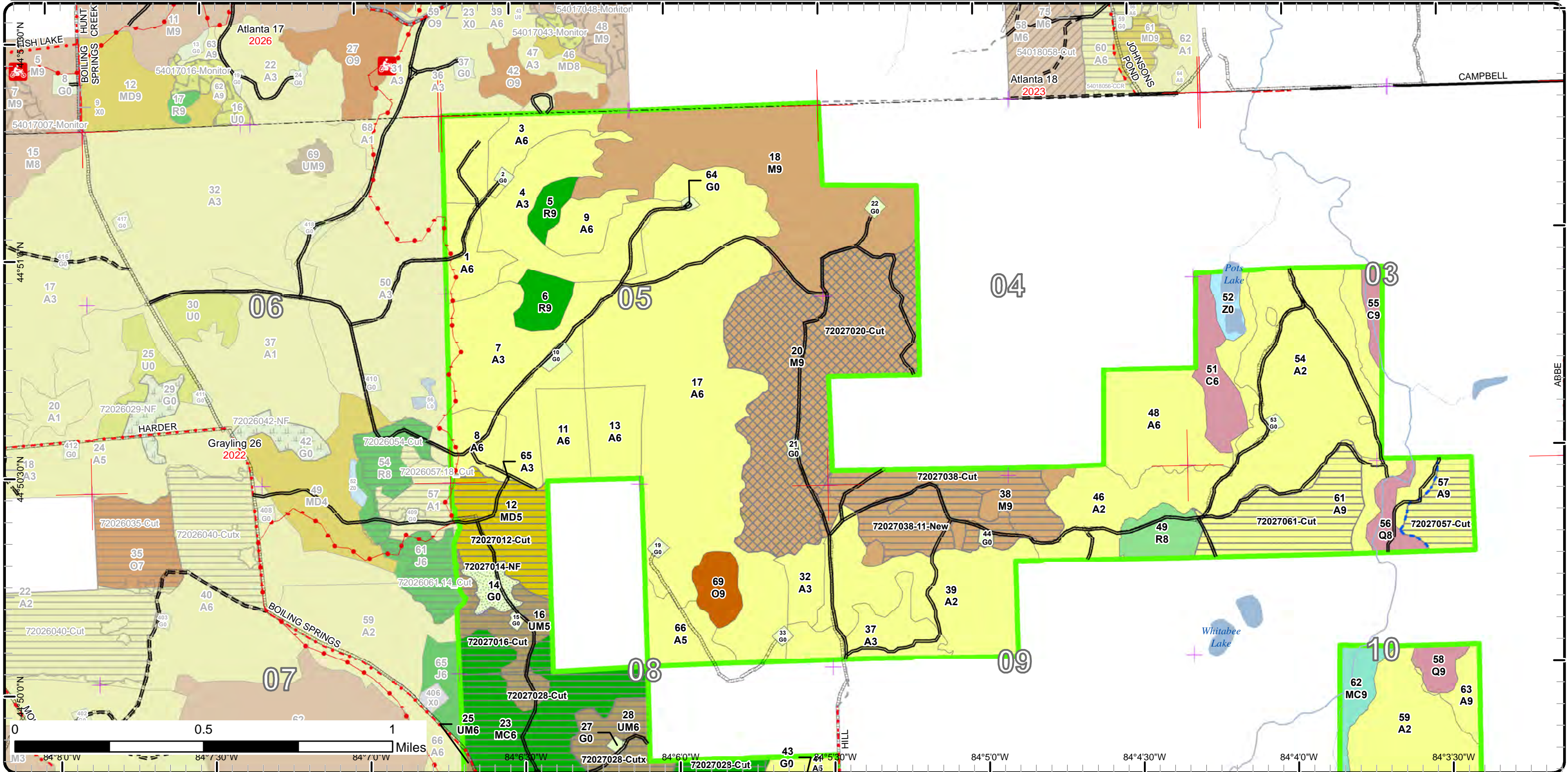


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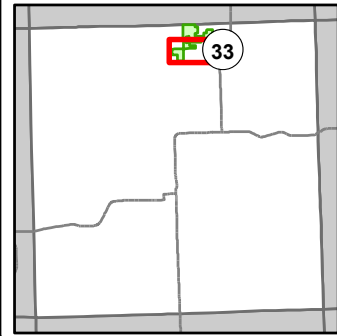


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- 500 - Water

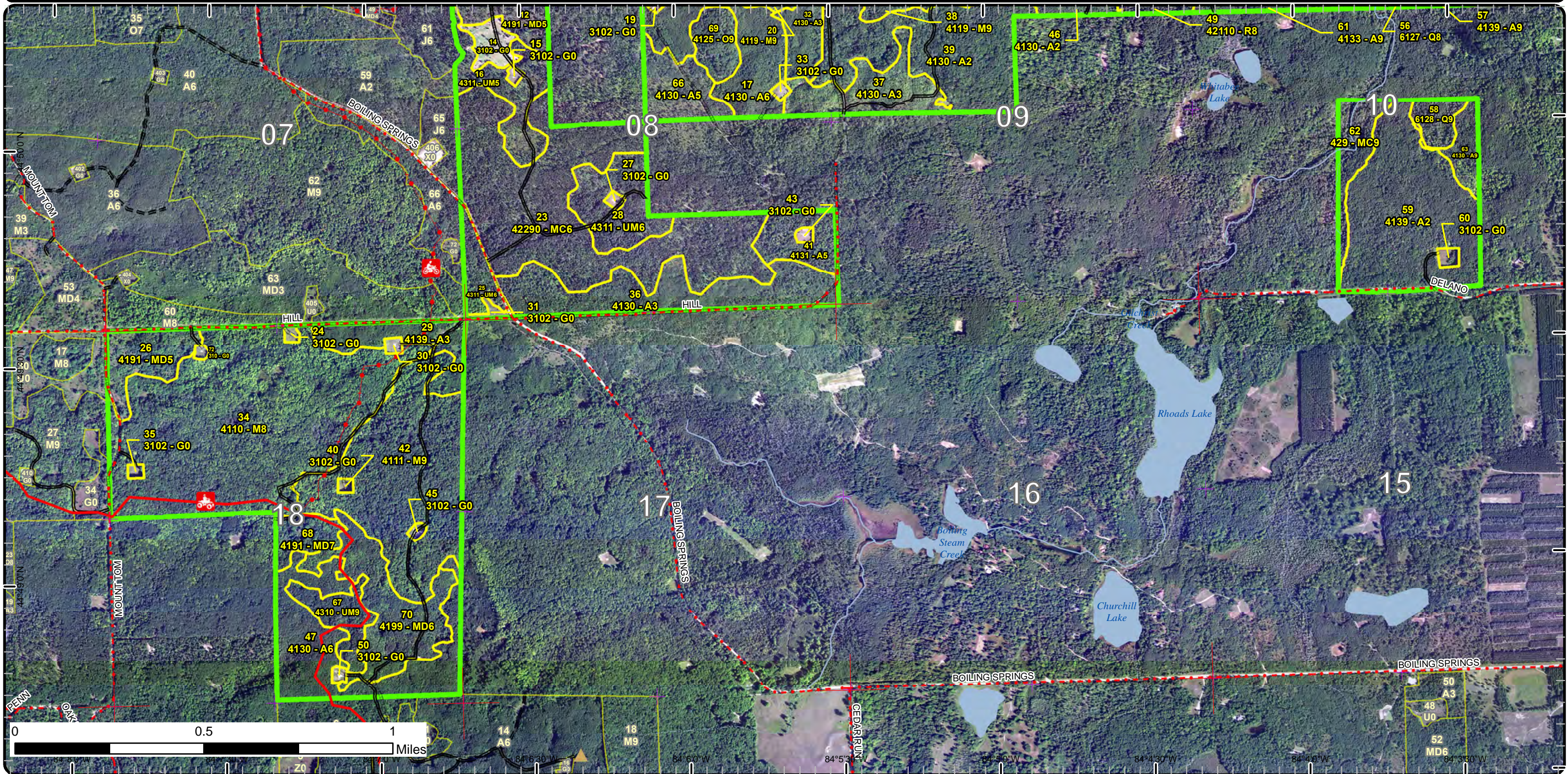


Stand Boundary Map

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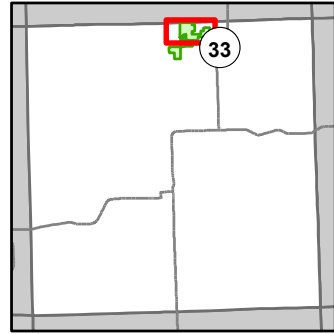


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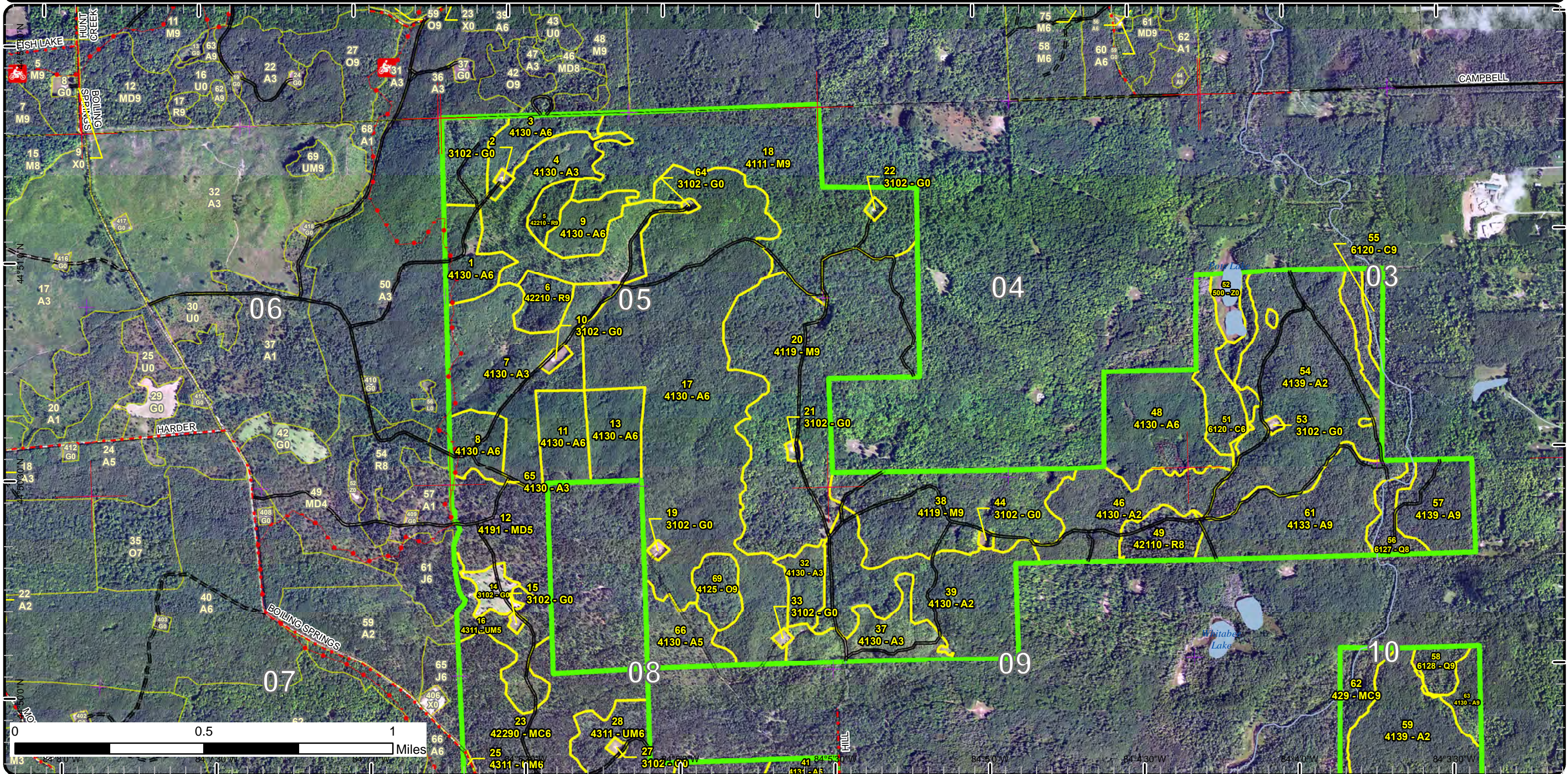


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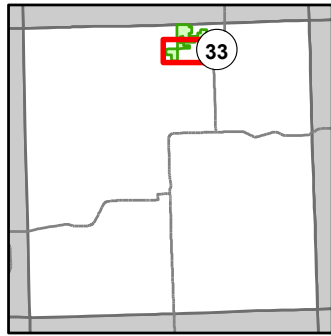


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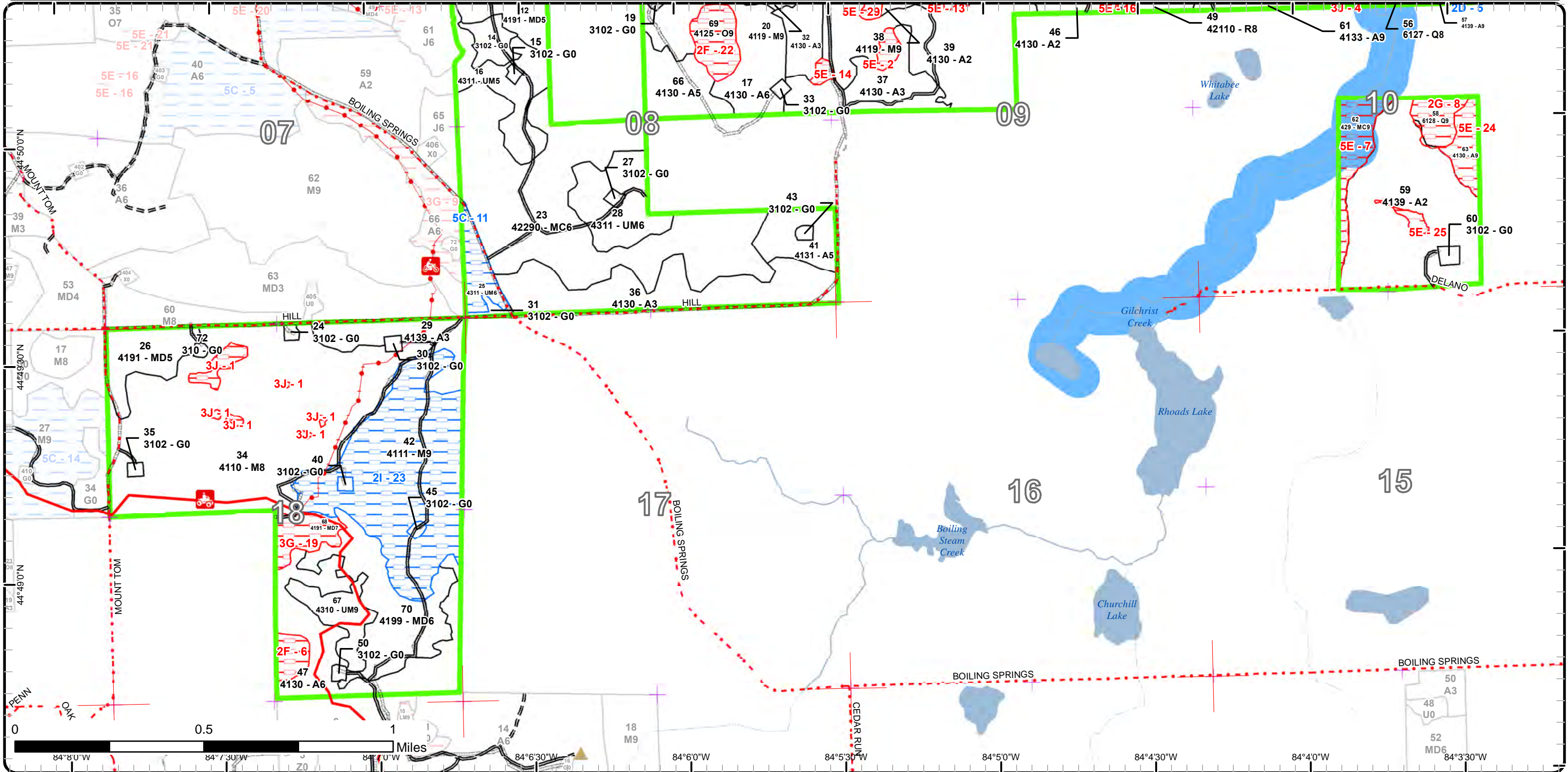


Special Conservation Areas

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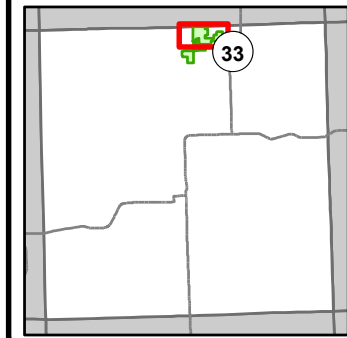


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- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

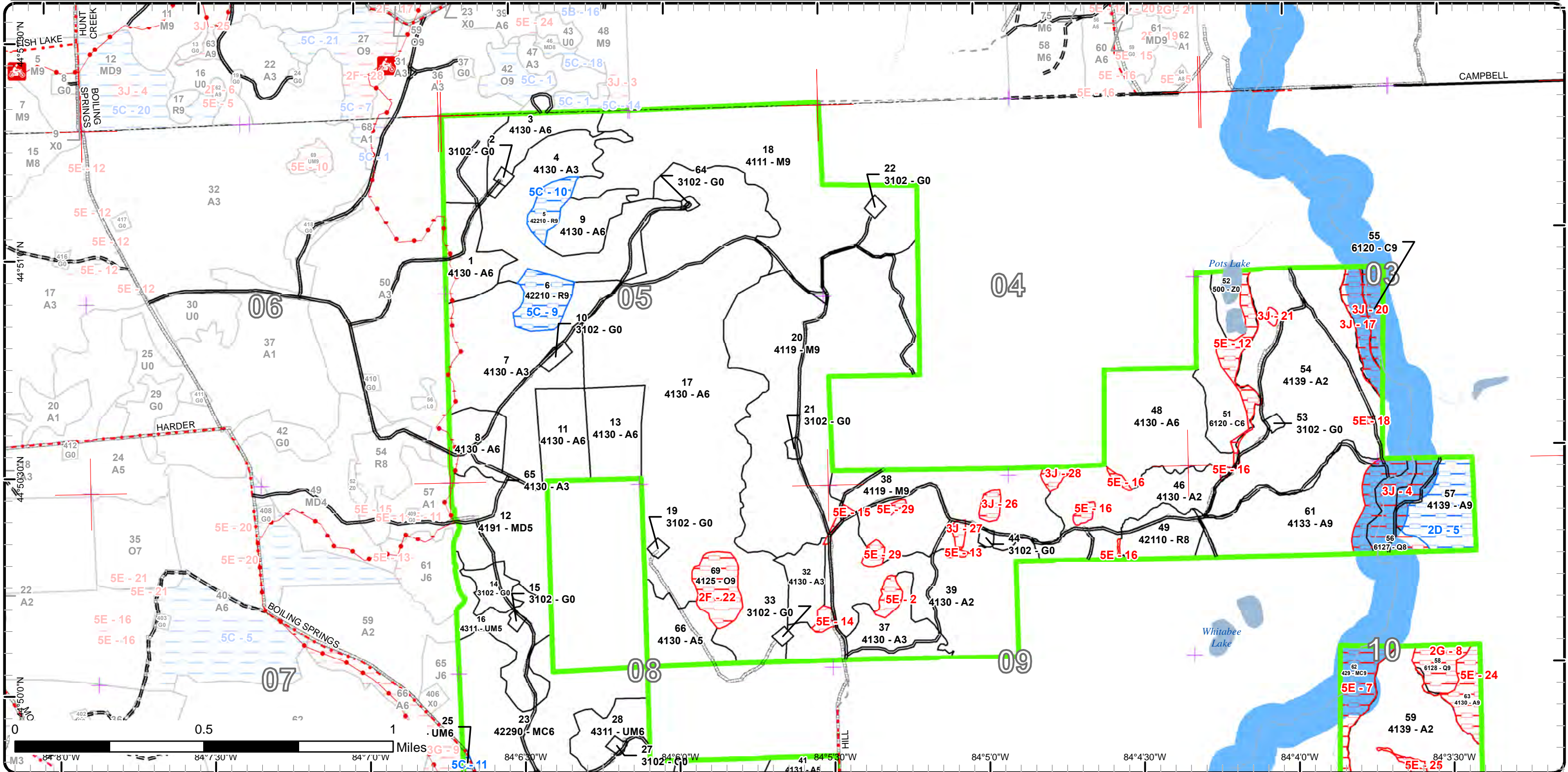


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- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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+	Unseen-Aged	Total
Aspen	0	316	106	184	394	54	17	117	0	0	0	0	0	0	0	0	0	0	1188
Cedar	0	0	0	0	0	0	0	0	0	0	7	22	0	0	0	0	0	0	29
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Conifers	0	0	0	0	0	0	0	0	0	12	9	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	0	0	84	21	0	0	0	11	0	0	0	0	0	0	0	116
Natural Mixed Pines	0	0	0	0	0	0	0	130	0	0	0	0	0	0	0	0	0	0	130
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	637	0	0	0	0	0	0	636
Oak	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13
Red Pine	0	0	0	0	0	0	0	0	0	16	12	7	0	0	0	0	0	0	35
Upland Conifers	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	0	0	0	25	28	11	0	0	15	0	0	0	0	0	0	0	79
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	40	316	106	184	394	163	66	274	0	28	54	679	0	0	0	0	0	0	2303



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 27

Total Compartment Acres: 2,304

Commercial Harvest - 510
 Harvests with Site Condition - 122
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversyory Removal	Salvage	Other	Total Acres
Aspen	71	0	0	0	0	0	0	0	0	71
Mixed Upland Deciduous	41	0	0	0	0	0	0	0	0	41
Natural Mixed Pines	122	0	0	0	0	0	0	0	0	122
Northern Hardwood	71	253	0	0	0	0	0	0	0	323
Upland Mixed Forest	59	0	0	0	0	15	0	0	0	74
Total	364	253	0	0	0	15	0	0	0	632

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	632	0	0	0	0	0	0	0	8	640
Next Step	0	300	177	0	0	599	889	245	0	2210
Total	632	300	177	0	0	599	889	245	8	2849



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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:

12	72027012-Cut	41.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	44	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> CC 1 inch and up. focus retention around pockets of large conifer. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Accept low stocking of aspen, cherry, red maple, oak, and mixed conifer. <u>Other Comment:</u> drumming log spec, protect legacy, protect wildlife opening. wildlife shrub spec, trail specs, oil and natural gas pipeline.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
14	72027014-NF	8.0	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	3102 - Grass		No
<p><u>Prescription</u> Periodic opening maintenance, as needed, that may include disking, fertilizing, liming, food plot seeding, mowing, brushing, burning, tree and shrub planting, herbicide application, and removal of invasive species. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maintained Wildlife Opening <u>Other Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
16	72027016-Cut	31.2	4311 - Pine, Aspen Mix	Poletimber Medium	46	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> cc 2 inch and up. focus retention around legacy trees. protect wildlife opening. treatment expanded into northern parts of stand 23. <u>Specs:</u></p> <p><u>Next Step</u> ; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Accept low stocking of aspen, cherry, oak, red maple and mixed conifers <u>Other Comment:</u> drumming log spec, legacy protected, protect wildlife opening, well heads and natural gas.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
20 72027020-Cut	152.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription Specs:</u> Harvest all Beech and aspen. Cut-tree mark stand down to 80 BA. When marking, remove all red maple and favor basswood and poor quality oak where present for removal. Cull all trees with visible rot, poor form, and poor crown position. Implement 20 regen gaps up to 1 acre in size. place gaps near yellow birch where possible. In addition use gaps on steepest slopes to make operability easier. Do not cut any hemlock, pine, or yellow birch. Place retention around hemlock and VP's (one in stands east)</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Northern Hardwoods. Beech and Ironwood proliferation in the understory is expected. Regen gaps will hopefully result in Sugar Maple and Basswood Recruitment.</p> <p><u>Other Comment:</u> Damage to residual. well heads and nat gas pipelines. No chipping. Do not break down tops when processing. Loosely pile 6 to 8 tops to deter deer browse. Restrictive rutting due to slopes.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
23 72027028-Cut	122.4	42290 - Natural Mixed Pine	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> CC 1 inch and up. Use edge retention or focus retention around legacy red pine or roads. plant to RP. Discuss at pre review if pockets of aspen are desirable. Southern Tx Boundary is drawn into stand 36 to square up Tx.</p> <p><u>Next Step Treatments:</u> SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitorin</p> <p><u>Acceptable Regen:</u> fully stocked red pine plantation at least 80% free to grow.</p> <p><u>Other Comment:</u> 1 inch and up, chipping required. legacy spec, low stumps</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
28 72027028-Cutx	27.4	4311 - Pine, Aspen Mix	Poletimber Well	55	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> CC 2 inch and up. Use edge retention or focus retention around legacy red pine or roads. plant to RP. Discuss at pre review if pockets of aspen are desirable. Southern Tx Boundary is drawn into stand 36 And Northern TX boundary is drawn into stand 16 to square up Tx.</p> <p><u>Next Step Treatments:</u> Monitoring, Artificial Regen(3yr); SitePrep, Trenching; SitePrep, Roller Chopping; Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release;</p> <p><u>Acceptable Regen:</u> fully stocked red pine plantation at least 80% free to grow.</p> <p><u>Other Comment:</u> 1 inch and up, chipping required, legacy trees protected, low stumps</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
38 72027038-11-New	32.3	4119 - Mixed Northern Hardwoods	Sawtimber Well	101	141-170	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Split stand 38 into 2 treatments. If treatment fails to regenerate desirables at 3 yr monitoring then re-evaluate treatment of S half.</p> <p><u>Specs:</u> CC 2 inch and up, exc do not cut conifer, and yellow birch. Include some of the large oak in retention or through individual tree making. Retention will be over 10% and is already drawn in around VPs, known hemlock patches and steep areas. Additional small retention pockets may be needed around hemlock where found in the stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> An aspen stand with 30% of canopy comprised of a combination of red oak, hard maple, basswood, yellow birch, and paper birch. If greater than 60% of regeneration is Beech and Ironwood contingent is to trench and plant to RP.</p> <p><u>Other Comment:</u> Damage to residual. well heads and nat gas pipelines. No chipping. Do not break down tops when processing. Loosely pile 6 to 8 tops to deter deer browse. Restrictive rutting due to slopes. Dormant season to promote desirables. Drumming Log spec</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2030</p>										
38 72027038-Cut	38.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	101	141-170	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Split stand 38 into 2 treatments. CC 2 inch and up, exc do not cut conifer, and yellow birch. Include some of the large oak in retention or through individual tree making. Retention will be over 10% and is already drawn in around VPs, known hemlock patches and steep areas. Additional small retention pockets may be needed around hemlock where found in the stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> An aspen stand with 30% of canopy comprised of a combination of red oak, hard maple, basswood, yellow birch, and paper birch. If greater than 60% of regeneration is Beech and Ironwood contingent is to trench and plant to RP.</p> <p><u>Other Comment:</u> Damage to residual. well heads and nat gas pipelines. No chipping. Do not break down tops when processing. Loosely pile 6 to 8 tops to deter deer browse. Restrictive rutting due to slopes. Dormant season to promote desirables. Drumming Log spec</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
42 72027042-Cut	99.6	4111 - S.Maple, Hard Mast Association	Sawtimber Well	102	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Harvest all Beech and aspen. Cut-tree mark stand down to 80 BA. When marking favor basswood for removal. Cull all trees with visible rot, poor form, and poor crown position. Implement 20 regen gaps up to 1 acre in size. place gaps near yellow birch where possible. Do not cut any hemlock, pine, yellow birch or oak. Place retention around hemlock and VP's</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Northern Hardwoods. Beech and Ironwood proliferation in the understory is expected. Regen gaps will hopefully result in Sugar Maple and Basswood Recruitment.</p> <p><u>Other Comment:</u> Trail protection spec. Damage to residual. well heads and nat gas pipelines. No chipping. Do not break down tops when processing. Loosely pile 6 to 8 tops to deter deer browse.</p> <p>Notes for sale prep: removals should be some cull logs and suppressed hm but the majority of BA removed should focus on Basswood and Beech. Leave all RO unless summer field visit shows any additional signs of decline. Implement 1 regen gap per 5 acres. Focus regen gaps adjacent to YB OR Hemlock where present, or focus regen gaps on steepest slopes to improve operability. Stand 68 to the west has a potential Arch Site.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
57 72027057-Cut	21.9	4139 - Aspen, Mixed Deciduous	Sawtimber Well	64	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest leave Red pine, cedar and white pine. No retention due to size and to maximize regen. Use RMZ where needed to buffer Gilchrist Creek. Use drumming log spec. Chipping acceptable follow standard woody biomass guidelines. Drumming Log spec. restrictive rutting and dry or frozen recommended. Utilize retention to keep equipment out of drainages, seeps, and the wettest ground found in the eastern and southern portions of the stand.</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> Stand should regenerate to a moderate to well stocked stand of aspen and mixed hardwoods.</p> <p><u>Regen:</u></p> <p><u>Other</u> Either a portable bridge will be needed to access this stand or the purchaser will need to acquire permission from pvt landowner to access this sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Portable Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
61 72027061-Cut	49.5	4133 - Aspen, Mixed Pine	Sawtimber Well	68	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> CC 2 inch and up. Focus retention around quality oak or pine. do not cut red or white pine over 20 inches.</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> Fully stocked aspen stand</p> <p><u>Regen:</u></p> <p><u>Other</u> Require more restrictive rutting due to slopes and adjacency to gilchrist creek. legacy trees. drumming log.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
67 72027067-Cut	14.9	4310 - Pine, Oak Mix	Sawtimber Well	91	111-140	Harvest	Low Thinning	4191 - Mixed Upland Deciduous with Conifer	Two-Aged	No
<p><u>Prescription</u> Large Pine MNGT. Harvest all aspen, and red maple. In addition mark to cut suppressed and codominant rp, wp, and red or hybrid oak.</p> <p><u>Specs:</u> Stand should average 70 to 90 BA residual. Do not mark below 60 BA. While doing field work adjust boundary into adjacent stands for operability accordingly. Retain up to 20 BA of oak and hard maple in good condition with good crown position. Consider access and landing locations during set up.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A stand of large diameter red and white pine over mixed deciduous understory with at least 30% of regeneration comprised of mixed Oak, white pine, and Hard maple. No contingency if ironwood and beech dominate understory.</p> <p><u>Regen:</u></p> <p><u>Other</u> Legacy trees, damage to residual, restrictive rutting due to steep terrain, ORV trail spec, access from south, protect well head.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Total Treatment Acreage Proposed: 639.5

Report 4 – Site Conditions

Grayling Mgt. Unit
Garret Price : Examiner

Compartment: 27
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions								
		With Condition			2D	2I	5C	2F	2G	3G	3J	5E	
1188	1103	22		63	Aspen	22		0	6	0		24	32
29	22	0		7	Cedar							7	
32	32	0		0	Herbaceous Openland								
20	0	0		20	Lowland Conifers				9			11	
117	105	0		11	Mixed Upland Deciduous						11		
130	130	0		0	Natural Mixed Pines								
637	522	100		15	Northern Hardwood		100					12	3
13	0	0		13	Oak				13				
36	16	19		0	Red Pine			19					
16	0	0		16	Upland Conifers								16
80	69	11		0	Upland Mixed Forest			11			0		
8	8	0		0	Water								
2,304	2,008	152		145	Total Forested Acres	22	100	30	19	9	11	55	50
	87%	7%		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)	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Vernal/forested ponds found within the sale area.							
2	Unavailable	5E: Long-Term Retention	3	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Land within RMZ, as per Fisheries requirement of 300' no cut buffer along Gilchrist Creek, Blue Ribbon Trout Stream.							
5	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	22	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Private property borders this stand only access from state land will require the crossing of Gilchrist Creek.							
6	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: very steep kettle depression with PVT at bottom							
7	Unavailable	5E: Long-Term Retention	16	3J: Water quality / BMPs (stream, river, or lake)	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comments: Riparian/Retention area along Gilchrist Creek and tributary flowing into creek. Would need portable bridge to access the other side of creek in NW corner. This will also provide a nice wildlife corridor as well. Land within RMZ, as per Fisheries requirement of 300' no cut buffer along Gilchrist Creek, Blue Ribbon Trout Stream.							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	3L: Other wildlife concerns	Unspecified	Unspecified
Comments: Lowland conifer site with saturated soils, operating in here would be difficult and only nine acres. Better suited for wildlife useage.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is isolated pocket of retention from prior treatment in 1987, no good access to this stand. Surrounded by aspen should be left for size and species diversity.							

Report 4 – Site Conditions

Grayling Mgt. Unit
Garret Price : Examiner

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10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: No management consideration since this stand was left as retention from the most recent treatment in 1968. Small in size and is surrounded by regenerating aspen stands.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments: Tail end of forest pond/vernal pond, area is also very steep.							
14	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Grayling Mgt. Unit
Garret Price : Examiner

Compartment: 27
Year of Entry: 2025

16	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Long term retention for Stand 46							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: part of rmz for Gilchrist Creek							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3G: Other Influence zones - See comments	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments: Most of stand would fall within the RMZ requirements and a bridge would be needed to access portion of stand across Gilchrist Creek. 300' no cut buffer for Gilchrist Creek as per the requirement for Blue Ribbon Trout Stream.							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Vernal pool.							

Report 4 – Site Conditions

Grayling Mgt. Unit
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Compartment: 27
Year of Entry: 2025

22	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access to stand is difficult but possible from NE or S. No harvest is recommended due to the very dry sandy soils (esp in the south and western portions of the stand. Allow natural processes to carry out here to avoid damage to the soils.							
23	Available	2I: Survey needed	100	Unspecified	Unspecified	Unspecified	Unspecified
Comments: I could not find corner in the NE of stand. I should try again in snow off. Nat gas lines make it difficult to find much with the metal detector.							
24	Unavailable	5E: Long-Term Retention	10	2G: Too wet (sensitive soils, does not include access issues)	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified
Comments: Small stream coming from private land approximately 24" wide, would need bridge to cross. Once stream is buffered per BMP standards only 5 acres of land available for harvest not worth the effort or potential damage to stream and site. Will be left as retention.							
25	Unavailable	5E: Long-Term Retention	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Area to wet, appears to be an ephemeral area.							
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Forested pond/vernal pond with steep hillsides.							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Forested pond/vernal pond with steep hillsides.							

Report 4 – Site Conditions

Grayling Mgt. Unit
Garret Price : Examiner

Compartment: 27
Year of Entry: 2025

28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Forested pond/vernal pond with steep hillsides.							
29	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Pre drawn retention for Stand 38 to protect hemlock and steep slopes. Adjust boundaries when completing field work.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
1	4130 - Aspen	Poletimber Well	19.3	35	81-110	N/A	Some small open pockets with cherry brush development. old comments Stand was final harvested in 1987. Stand is on the edge between sapling and pole errored on the side of caution and left in the sapling stage. Stand is entirely PARVHa/PArVVb.																																															
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2	3102 - Grass	Nonstocked	0.9			No	well site old comments 2015 yoe Merit Energy Well Site Permit #50590 Clinton A1-5																																															
3	4130 - Aspen	Poletimber Well	16.8	35	81-110	N/A	Stand is doing well. very high density aspen. with understory oak cherry and rm development. so e stems codominant. old comments 2015 YOESTand was final harvested in 1987. Young aspen stand with good stem density and mixture of other hardwood species. Stand is primarily PARVHa/PArVVb with one small patch of AFO in the NE corner of stand.																																															
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4	4130 - Aspen	Sapling Well	77.2	14	Immature	N/A	Small openings in stands SE AND SW scattered supercanopy rp and wp. more in center Old Comments 2015 YOESTand harvested in 2008 #72-073-05-01. Stand is regenerating nicely to aspen and red maple mix. There is a small oak component. Stand passes regen check for aspen. Regen average was 2050/acre for aspen and 1060 for red maple. Hilly terrain with exposed rock in places. There is overstory component of pole to xlog size red pine. Residual pine is less than 10sqft/acre. Stand is primarily PARVHa/PArVVb with patches of AFO in the easter portions of the stand.																																															
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5	42210 - Natural Red Pine	Sawtimber Well	7.4	101	141-170	N/A	site condition carried forward. old comments 2015 YOEMature red pine stand with a mixture of hardwood species. Rolling terrain. According to previous inventory comments stand was last treated in 1968 and small pockets of red pine were left as retention, this is one of those stands. Stand is entirely PARVHa/PArVVb.																																															
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6	42210 - Natural Red Pine	Sawtimber Well	11.9	95	111-140	N/A	site condition carried forward harvest with surrounding aspen when perscribed. second age from previous inventory carried forward on oak in species list old comments 2015 YOEAAccording to previous inventory comments stand was last treated in 1987 and small pockets of red pine were left as retention, this is one of those stands. Stand is entirely PARVHa/PArVVb.																																															
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7	4130 - Aspen	Sapling Well	73.6	25	Immature	N/A	Some areas of stand are more open. lots of juneberry in spots. Small pockets of mature supercanopy red or white pine. Old Comments 2015 YOE: Young aspen stand with some pole sized stems scattered throughout. Previous inventory has stand as an A5 with average DBH of 7 inches at 8 years. Stand is entirely PARVHa/PArVVb.																																																													
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8	4130 - Aspen	Poletimber Well	15.7	35	1-50	N/A	Wp and few rp seeding into subcanopy. few supercanopy rp in east. Old Comments 2015 YOE: Young aspen stand, not much different in stand characteristics then stand 7, only 10 years older. Stand could be lumped together. Rolling to steep terrain. Stand is entirely PARVHa/PArVVb.																																																													
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9	4130 - Aspen	Poletimber Well	15.4	35	51-80	N/A	revisit in snow off Old Comments 2015 YOE Nice stand of Aspen, good stem density on the boarder between sapling and pole. Stand was harvested in 1987 Stand is primarily AFO with a small patch of PARVHa/PArVVb along the south boundary.																																																													
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11	4130 - Aspen	Poletimber Well	20.1	35	Unspecified	N/A	Revisit in snow off old comments 2015 YOE Stand was harvested in 1987 per old OI notes. Stand is bording on pole size but just not there yet. Good mixture of associated species with rolling to steep terrain. Stand is entirely PARVHa/PArVVb.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 41.2 44 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Pole/Sap/Log	8	
Black Cherry	25	Pole	6	
Red Pine	22	Log/XLog/Pole	14	93
White Pine	3	Sapling/Pole	4	
Quaking Aspen	35	Pole/Sapling	6	44

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	Variable	Sapling
Cherry (spp.)	High	Variable	Tall Shrub
Red Pine	Medium	Variable	Sapling
Serviceberry (Juneberry)	Low	Variable	Sapling

stand is similar to 16 and should be treated as such. BA widely variable center of stand is more upland brush and unmerchantable wood other than chips. Rp logs and small poles are of poor form and crown position. larger RP is close or beyond product class. Old Comments 2015 YOE: Ground cover sweet fern and ribes. Open stand in places with mixture of aspen, pine and cherry. Pocket of mature red pine as well as scattered red pine. Not good quality stand. Previous OI comments - Stand was harvest in 1978 (Red Pine Improvement) all aspen and jack pine was cut. Stand has mature red pine scattered throughout. Also aspen pockets throughout. Over-all stand is still an A3 poor site with a lot of abuse. Stand is entirely PARVHa/PARVVb.

13 4130 - Aspen Poletimber Well 22.5 25 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling/Pole	4	
Black/Red (Hybrid) Oak	10	Sapling	3	
Bigtooth Aspen	60	Pole/Sapling	5	25
White Pine	5	Sapling	3	
Red Pine	5	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Seeding
White Pine	Low	Variable	Seeding
Cherry (spp.)	Medium	Variable	Seeding
Oak (spp.)	Low	Variable	Seeding

Revisit in snow off
old comments 2015 YOE
Stand was harvested in 1997, previous OI has BA of 60 with ave DBH of 7", didn't see those conditions when inventoried. Young aspen stand with rolling to steep terrain. Stand is entirely PARVHa/PARVVb.

14 3102 - Grass Nonstocked 8.0 Unspecified Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Trace		Pole

wildlife opening.
JC update: Buckwheat & clover were planted in 2014, rye in 2015 and buckwheat & clover in 2016 (W72-757).

15 3102 - Grass Nonstocked 1.0 No

Get owner data when back in the field

Old Comments 2015 YOE
Terra Energy Co well site
Well # 5-8
Permit #47162

16 4311 - Pine, Aspen Mix Poletimber Medium 25.4 46 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	15	Log/XLog	16	
Jack Pine	30	Pole/Sapling	6	46
Quaking Aspen	25	Pole/Sapling	6	46
Black Cherry	30	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	Variable	Sapling
Cherry (spp.)	High	Variable	Sapling
Red Pine	Low	Variable	Sapling
White Pine	Low	Variable	Sapling

low volume, aspen is dropping out quick. should be cut now if aspen is desired. jp will likely hold ten but aspen wont. good component of stand is upland brush. super canopy rp scattered throughout. more rp in north tip.

Old Comments 2015 YOE: Small pockets of red pine found in stand. Majority is aspen of poor quality with a good component of jack pine and cherry. Stand is entirely PARVVb.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																
17	4130 - Aspen	Poletimber Well	236.7	36	51-80	N/A	CC Merch and up 1985-1987 under contract # 055-85-1 Steep Hill Block Oak. AS, MXD OAK, MXD HRD, RP, JP, and WP removed. 69 and 66 were split out from stand 17. North end of stand has more mixed hardwoods, center of the stand picks up more pine. Old Comments 2015 YOE Lower end of pole sized stems primarily of bigtooth, SW corner more quaking and less canopy closure with higher amounts of cherry stems, poor quality in the SW. Rolling to steep terrain. Two well sites within stand. Access to southern portion of stand would be an issue, north is easily accessible. Oak is of good to excellent stem quality and ground cover included lily of valley, trillium, solomon seal. Stand is primarily PARVHa/PARVVb with AFO in the northern 1/3 of stand and along the east boundary. In the southern portion of the stand are small patches of both PARVVb/AFO, AFO and PARVVb.																																																																																																
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18	4111 - S.Maple, Hard Mast Association	Sawtimber Well	124.5	104	81-110	N/A	Upper end of the BA range. Some understory hm regeneration, but primarily beech ironwood ash. Beech has bbd present but not as bad as stands to the south, less beech here other than the handful of isolated pockets of higher density. Center of stand has heavy dead ash slash loading. probably could hold 10 especially west 1/2. W 1/2 has limited hard maple crop trees, most are suppressed by the oak or have poor form for sawlogs. oak here is in good crown position overall and makes more sense to hold 10 before treatment and focus on other hardwood stands in compartment. old comments 2015 YOE Stand was thinned in 2007 (County Line Hardwood Thin 72-12-05-01), one unit was not thinned and this portion of stand was merged with Stand 21. Canopy gaps are filling in with maple, ash, beech and some oak and red maple. Ash that were left are all but dead, beech looks good with no sign of BBD. Seven BA swings were taken stand average was 80, individual BA's were approximately Sugar 31, Bass 23, Beech 4, Red Oak 12, Paper Birch 5, Bigtooth 2 Ironwood 1. There are areas of heavy slash from harvest as well as fallen trees. Stand is entirely AFO with two small patches of PARVVb/AFO and PARVVb along the north boundary.																																																																																																
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19	3102 - Grass	Nonstocked	1.0			No	Get owner data when back in the field Old Comments 2015 YOE Breit Burn permit 55122																																																																																																



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20	4119 - Mixed Northern Hardwoods	Sawtimber Well	156.2	100	111-140	N/A	Pockets of oak (Attached QD sheet has oak coded wrong. Some quality red oak in areas but oak is overall hybrid) mainly on ridge tops around the middle of the stand. OAK is variable from moderate to excellent quality in the dominant stems. Sugar maple is fair to good with pockets of excellent as well. Parts of the northern and eastern areas in the stand is at the upper end of the BA Range.																																																																												
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21	3102 - Grass	Nonstocked	1.2			No	Get owner data when back in the field Old Comments 2015 YOE Merit Energy Well Site Permit # 54382 Clinton D4-5																																																																												
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23	42290 - Natural Mixed Pine	Poletimber Well	130.4	63	81-110	N/A	stand jp with aspen in the middle with natural rp around the w, s and e. JP mortality in areas as high as 20 percent. aspen scattered throughout. most of rp in stands CENTRAL SW. where rp density is high enough the crop tree dbh is largely out of market size and the smaller stems are mostly poor form and suppressed. scattered legacy rp. pockets of cherry brush and less canopy closure in N half.. site grows poor quality aspen.Pole sized jack pine stand with pockets of aspen, aspen is not of good quality. There is moderate storm damage to the aspen and jack pine stems. Stand's northern 2/3 is PARVVb the rest is PARVHa/PARVVb.																																																																												
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24	3102 - Grass	Nonstocked	1.0			No	Old Well Site Old Comments 2015 YOE Well plugging completed 3/30/2005 BREITBURN OPERATING LIMITED PARTNERSHIP Well Site Permit #56076 Elmer-Clinton A3-18																																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25	4311 - Pine, Aspen Mix	Poletimber Well	11.0	68	51-80	N/A	Hold 10, higher quality than 23 to the east. A nice mix of species and ages. Mixed stand, SW corner was thinned in 2003'ish hardwood stand of log quality. Stand transitions into mixture of pine aspen with pockets of maple, cherry and aspen regen, results from 1998 tornado that hit this area. Stand is entirely PARVHa/PArVVb, but there are small patches of AFO, PArVVb/AFO, PArVVb and PVCd in the southern portion of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	3	Pole/Log	9		Sugar Maple	High	Variable	Sapling
Beech	5	Log	13		Red Pine	Low	< 5 feet	Sapling
Red Oak	5	Log	12		Oak (spp.)	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole	6		White Pine	Low	5 - 10 feet	Sapling
Red Pine	15	Pole/Log	9		Cherry (spp.)	Medium	Variable	Sapling
White Pine	15	Pole/Log	9		Aspen (spp.)	High	Variable	Sapling
Sugar Maple	15	Log	12		White Ash	Low	5 - 10 feet	Sapling
Jack Pine	20	Pole/Sap/Log	8	68				
Bigtooth Aspen	20	Pole/Sapling	6					

26	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	20.8	50	1-50	N/A	Stand filling in. Open areas have Sumac, grasses and rubus. pockets of WP in SW, Center, and Belt around SE Perimeter. Mixed hardwood species seeding in in NE and S 1/2. Apple trees in open areas near Mt Tom Rd. Walnut along Mt Tom Rd in Stand's W and NW corner. Mixed hardwoods and WP seeding in. some logs but overall stand is pole-sapling with many openings in the W. Old Comments 2015 YOE Open areaStand is entirely PArVVb/AFO.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Apple (spp.)	5	Pole/Sapling	5		Sumac	Low	5 - 10 feet	Tall Shrub
White Ash	10	Pole/Sapling	6		Black Raspberry	Low	< 5 feet	Tall Shrub
Red Pine	5	Log/Pole/Sap	10					
Choke Cherry	5	Sapling/Pole	4					
Black Walnut	5	Log	13	71				
Red Oak	20	Log/Pole/Sap	12					
White Pine	20	Log/Pole/Sap	10	21				
Red Maple	20	Pole/Log/Sap	8	50				

27	3102 - Grass	Nonstocked	1.0			No	Get owner data when back in the field Old Comments 2015 YOE Gas Well Terra Energy LTD Permit #47139 St Clinton 11-8 HDL
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28	4311 - Pine, Aspen Mix	Poletimber Well	28.3	55	81-110	N/A	cut with adjacent stands and plant to rp or let it go to natural aspen regen. Aspen is in poor condition, jp and other pine look good still. canopy breaks up to the north, lower stem density and size.old commentsMixed aspen, jack pine stand with a well site in the middle of the stand. Stand 25 is very similar to this stand however, this stand has a higher aspen density. There is moderate storm damage to this stand from the heavy snows. Stand is half PArVVb and PVCd.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	30	Pole/Log	8		Cherry (spp.)	Medium	5 - 10 feet	Sapling
Red Maple	5	Pole	7		Oak (spp.)	Low	< 5 feet	Sapling
Quaking Aspen	50	Pole/Log	9	55	Red Maple	Low	5 - 10 feet	Sapling
White Pine	15	Pole/Log	9		White Pine	Medium	Variable	Pole
					Jack Pine	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29	4139 - Aspen, Mixed Deciduous	Sapling Well	21.7	25	Immature	N/A	old comments confirmed. Aspen is outcompeting in most areas of stand with canopy height 5+ feet taller than associates. A couple wet seeps or vernal pools present in stand. Super canopy NRO, RM, and BW. Heavy CWD esp in east. Added NE portion of stand 42 which also saw the majority of canopy taken out by tornado. More beech, ash, and Ironwood here with supercanopy HM, and basswood. Less Aspen regeneration here as well. 2 vernal pools in this small area.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	45	Sapling/Pole	4	25	Ash (spp.)	Medium	Variable	Sapling
Sugar Maple	10	Sapling/Pole	3		Deciduous Shrubs	Low	Variable	Tall Shrub
Red Oak	5	Log/Pole/Sap	10		Autumn Olive	Low	5 - 10 feet	Tall Shrub
Paper Birch	10	Sapling	3		Oak (spp.)	Medium	Variable	Sapling
Red Maple	20	Pole/Sap/Log	9		Beech	Medium	Variable	Sapling
Basswood	10	Sapling/Pole/Log	3		Red Maple	Medium	Variable	Sapling
					Sumac	Low	5 - 10 feet	Tall Shrub
					Ironwood	Medium	Variable	Sapling

Old Comments 2015 YOE:
Stand impacted by tornado in 1998. Heavy course woody debris from storm. Stand is entirely PARVVb/AFO.

30	3102 - Grass	Nonstocked	1.2			No	Get owner data when back in the field
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Old Comments 2015 YOE
TERRA ENERGY WELL SITE
PERMIT# 54779
State Clinton A4-18

31	3102 - Grass	Nonstocked	1.8			No	Open area used for deer camps. Apple trees in opening. Some cherry and WP seeding in along with a couple RM and poor quality AS.
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Sub-Canopy Species	Density	Avg. Height	Size
Cherry (spp.)	Trace		Sapling
Sumac	Low	5 - 10 feet	Tall Shrub
Apple (spp.)	Low	10 - 20 feet	Sapling
Spotted Knapweed	Medium	Unspecified	Non-Wood

32	4130 - Aspen	Sapling Well	12.8	27	Immature	N/A	old comments 2015 yoeYoung aspen stand with both quaking and big tooth aspen. North half of stand is AFO and the Southern Half is PARVbb/AFO.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Pole/Sapling	7		Oak (spp.)	Low	< 5 feet	Pole
Red Maple	10	Sapling	3		Cherry (spp.)	Medium	< 5 feet	Sapling
Paper Birch	8	Sapling	3		Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen	40	Sapling/Pole	4	27	Ironwood	Medium	Variable	Sapling
Red Pine	2	Sapling	3		Beech	Low	< 5 feet	Sapling
Quaking Aspen	37	Sapling/Pole	4		Serviceberry (Juneberry)	Low	< 5 feet	Sapling
					Paper Birch	Low	< 5 feet	Sapling
					Hawthorn (spp.)	Low	< 5 feet	Tall Shrub
					White Ash	Low	< 5 feet	Sapling
					Sugar Maple	Low	10 - 20 feet	Sapling

33	3102 - Grass	Nonstocked	1.0		Unspecified	No	Get owner data when back in the field
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Old Comments 2015 YOE
Terra Energy permit 52270



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34 4110 - Sugar Maple Association Sawtimber Medium 180.3 105 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	20	Log	14	
Beech	2	Pole/Log	8	
White Ash	1	Pole	6	
Red Oak	2	Log/XLog	14	
Paper Birch	2	Pole/Log	8	
Bigtooth Aspen	3	Pole/Log	9	
Red Maple	5	Log/Pole	11	
Yellow Birch	1	Log/Pole	10	
Sugar Maple	61	Log/Pole	12	105
Ironwood	3	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Trace	5 - 10 feet	Sapling
Serviceberry (Juneberry)	Medium	Variable	Sapling
Beech	High	Variable	Sapling
Willow spp.	Low	5 - 10 feet	Sapling
White Ash	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Black Raspberry	Medium	5 - 10 feet	Tall Shrub
Sugar Maple	Low	Variable	Sapling

Majority of BA in treated portion of stand is HM with Basswood consistent throughout. Dense rubus pockets. Understory is primarily beech, ash, and ironwood. With a few HM, PB, BTA and one RO saplings observed. ORV Trail in South. BBD well along on few remaining beach in stand. EAB damage observed on the few live merchantable ash present in stand.

Harvested between Nov 2016 and July 2017 (sale 72-002-15). Final inspection in Jan 2018 after all closure work and hauling completed. Steep rocky terrain made operations difficult.

Old Comments 2015 YOE
Mixed hardwood stand of log size. Both white ash and beech are present in the stand, beech is looking good with no signs of BBD. White ash on the other hand is not doing well and is past salvage stage, majority of trees have excessive bird peck signs. Ground cover is trout lily, dutchman breeches, sweet cicily. There are some pockets of paper birch and on the northern portion of the stand there are various wet areas/ vernal/forest ponds. Stand us very much park like and has hilly to steep terrain. Ten BA swings were taken, stand average was 118. Stand is entirely PARVVb/AFO.

35 3102 - Grass Nonstocked 1.0 No

Get owner data when back in the field

Old Comments 2015 YOE
Breit Burn permit #55768
Elmer-clinton B1-18.

36 4130 - Aspen Sapling Well 53.4 27 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	8	Sapling	2	
Red Maple	8	Sapling	3	
Quaking Aspen	66	Sapling	4	27
Jack Pine	5	Sapling/Pole	4	
Black/Red (Hybrid) Oak	3	Sapling	4	
White Pine	10	Pole/Sap/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Sapling
Cherry (spp.)	Medium	Variable	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Red Pine	Low	5 - 10 feet	Sapling
Jack Pine	Low	5 - 10 feet	Sapling
White Pine	Medium	Variable	Sapling
White Spruce	Trace	5 - 10 feet	Sapling

Old comments confirmed. added subcanopy data for species seeding in under dominant aspen canopy cover. see draft treatment notes for details. Old Comments 2015 YOE: Stand was harvested in 1997, Good regeneration and sten density. Stand is primarily PVCd and is small portion being PARVHa/PARVVb

37 4130 - Aspen Sapling Well 29.0 12 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	2	
Black/Red (Hybrid) Oak	5	Sapling	2	
Bigtooth Aspen	65	Sapling	2	12
Black Cherry	15	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	< 5 feet	Sapling
White Pine	Low	Variable	Sapling

RED PINE AND WHITE PINE SEEDING INTO SUBCANOPY
Old Comments 2015 YOE: Stand was final harvested under contract 72-029-08-01 Comp 27 RPP). This treatment was under the Red Pine project. Cut in 2009/2010. No FTP Site converted to Aspen. Regen survey showed approximately 1400 aspen/ac, 600 red maple/acre, 100 red pine/acre and 200 cherry/ac. Oak regen was present but not tall enough to be counted in survey mostly due to browse. East half of stand is PARVVb/AFO and the west half is AFO.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																			
38	4119 - Mixed Northern Hardwoods	Sawtimber Well	76.2	101	141-170	N/A	Stand has enough aspen to regenerate throughout . Maple crop trees are widely scattered with most of the hard maple leaning poor quality or suppressed. I am leaning towards clear cutting the stand to take advantage of the aspen in hopes of regenerating something other than beech ironwood and ash in the understory. (The attached QD data has a coding error the Pin Oak should be Red Oak. Some hybrid oak as well)																																																																																			
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39	4130 - Aspen	Sapling Medium	76.0	5	Immature	N/A	stand is regenerating well, probably close to 75 to 100 canopy closure range, stand just needs a few more years for stems in open pockets to get to 6 ft. Lower density stems and mostly oak and rm where density is higher of the supercanopy RP over 18" retained throughout as perscribed in last treatment. Scattered rp and trace wp seeding in.																																																																																			
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40	3102 - Grass	Nonstocked	1.0			No	Get owner data when back in the field																																																																																			
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41	4131 - Aspen, Oak	Poletimber Medium	17.2	54	51-80	N/A	old comments confirmed, discuss if more rp acres are needed for 2025. BA is widely variable. some open/cherry brush areas.old comments 2015 yoeHodge Podge stand of aspen, maple and oak, northern portion more hardwood with pine. Stems are not of good quality, gas well in middle of stand.Stand is made up of primarily PARVHa/PARVVb with small portions of PVCd and PARVVb.																																																																																			
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42	4111 - S.Maple, Hard Mast Association	Sawtimber Well	99.6	102	111-140	N/A	More oak in SE. VP's should be buffered during field work. see attached for QD. rolling terrain, ash is dead and mostly dropped out. High quality stand. Thin down to 70 to 90 BA focussing on cull stems.																																																																							
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43	3102 - Grass	Nonstocked	1.0			No	gas well siteold comments Nellis 2020Terra Energy Gas Well Clinton 16-8 Permit # 47140																																																																							
44	3102 - Grass	Nonstocked	1.1			No	Get owner data when back in the field																																																																							
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46	4130 - Aspen	Sapling Medium	45.1	4	Immature	N/A	stand is regenerating well, probably close to 75 to 100 canopy closure range, stand just needs a few more years for stems in open pockets to get to 6 ft. More rm here than stand to west. Scattered rp and trace wp seeding in. supercanopy RP over 18" retained throughout as perscribed in last treatment.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																				
47	4130 - Aspen	Poletimber Well	54.0	42	81-110	N/A	12/20/2022 Terrain is rolling hills in the north turning to long steep inoperable slopes along much of the south line. Stand 67 and Stand 70 split off of 47. Type change between 70 and 47 is indistinct in areas and will require verification during field work. Stand 70 is MXD-HDW dominated with pockets of AS, whereas 47 is AS dominated with pockets of Oak-HM-IW-BC-RM-Beech-WP. Potential vernal pool in Stands NE. Hemlock pockets may also be wet in spring/summer. Old Comments 2015 YOEPole sized stand of aspen and mixed hardwoods, throughout the stand there are small individual pockets of aspen, red maple as well as some conifers. Old OI indicates some red and white pine were left from the last treatment in the late 70's early 80's. Understory vary sparse. Rolling to steep terrain with gas wells and ORV trail found in this stand. Stand is three quarters AFO and the rest is PARVVb/AFO.																																																																				
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48	4130 - Aspen	Poletimber Well	49.1	36	51-80	N/A	Stand still needs walked. Could not access before pre-review. Old Comments 2015 YOEPole and sapling bigtooth of good density with an open area at the top of the ridge. Narrow band of log sized species between stand and cedar stand (57) to the East. Small wet area is also in the stand. Stand is made up of primarily PARVHa/PARVVb with small areas of AFO, PARVVb/AFO & Unclassified lowlands.																																																																				
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49	42110 - Planted Red Pine	Sawtimber Medium	16.2	87	81-110	N/A	Low end of BA range. Scattered hybrid and white oak recruited. pockets of aspen. Subcanopy beech throughout. wp and rp regen variable density throughout ranging from trace to full. adjus5 boundary to aerial where past adjac3nttreatment cut into stand. old comments 2015 YOE: Shelterwood cut in fall of 2006 under contract #720270501 Whitabee Lake Red Pine. Understory is heavy to aspen and red maple in a couple of areas, majority of stand has little to no understory. Regen survey showed an average of 615 red pine seedlings per acre and 75 white pine per acre. Stand is entirely PARVHa/PARVVb.																																																																				
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51	6120 - Lowland Cedar	Poletimber Well	21.7	102	111-140	N/A	some wind damage on west edge. old comments 2015 YOENice cedar stand with good stem density. Windthrown openings being regenerated to balsam fir and black spruce. As you move north you start to pick up some larger aspen. Good wildlife stand. Site index was 54. Stand is primarily Unclassified lowlands with a small area of PARVHa/PARVVb.																																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
52	500 - Water	Nonstocked	7.9			No	old comments confirmed old Comments 2015 YOEPotts Lake, two water bodies with surrounding vegetation for lowland shrubs and sapling sized trees occupying areas that were once underwater.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Low	Variable	Sapling	
								Tag Alder	Low	5 - 10 feet	Tall Shrub	
Quaking Aspen	Low	Variable	Sapling									
53	3102 - Grass	Nonstocked	1.0		Unspecified	No	get well site data when back out in the field. Old Comments: BrietBurn D1-3HD well site.					
54	4139 - Aspen, Mixed Deciduous	Sapling Medium	111.3	5	Immature	N/A	Scattered supercanopy conifer (RP, WP, EH, and a couple BF and WS) and red/hybrid oak. The SW of stand has 50% canopy of oak over parklike understory. Aspen regenerating well throughout most of stand. Red maple and cherry filling in open areas. Some oak present in stand as well. Steep ridge in stand unharvested, primarily log aspen, oak, red maple, and scattered conifer. Old Comments 2015 YOE: Post harvest update: Stand harvested in winter 2017/2018, Sale: Potts Lake Aspen Mix, #72-015-15-01. All oak and conifers were left, along with Riparian buffer along Gilchrist Creek. Slopes in some areas were too steep for harvest. Pre-harvest stand: In areas aspen is developing conks, large stand with mixed sizes of aspen but all with in same age class. Quality is not that great, canopy closure at the high end of 50-75. Area is rolling terrain with gas wells intermixed and Gilchrist Creek bordering the South East edge of stand. Stand is primarily PARVHa/PArVVb with areas of AFO, PArVVb and unclassified lowlands.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black/Red (Hybrid) Oak	10	Log	14	
								Red Pine	2	Log/XLog	16	
								White Pine	1	XLog/Log	18	
								Red Maple	17	Sapling	2	
								Black/Red (Hybrid) Oak	10	Sapling	2	5
								Bigtooth Aspen	50	Sapling	2	5
								Black Cherry	10	Sapling	2	
								Sub-Canopy Species	Density	Avg. Height	Size	
Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub									
Black Raspberry	Low	5 - 10 feet	Tall Shrub									
55	6120 - Lowland Cedar	Sawtimber Well	7.1	96	111-140	N/A	carried forward site condition for RMZ old comments 2015 yoe Cedar stand with black spruce and some aspen mixed throughout. Gilchrist creek runs through the stand, east of the river more aspen. This stand has been site conditioned for Riparian management zone. Site index was 60. Three BA swings were taken average BA was 132, specie aves were Black Spruce 56, Cedar 63 and aspen 13. Stand is entirely unclassified lowlands.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	2	Pole	8	
								Black Spruce	30	Log/XLog/Pole	14	94
								Northern White Cedar	50	Log/XLog/Pole	13	96
								Quaking Aspen	15	Log/XLog/Pole	13	
Balsam Fir	3	Pole	8									
Sub-Canopy Species	Density	Avg. Height	Size									
Black Spruce	Medium	< 5 feet	Sapling									
Balsam Fir	Low	< 5 feet	Sapling									
Beech	Low	< 5 feet	Pole									
56	6127 - Lowland Pine	Sawtimber Medium	11.5	85	1-50	N/A	road into stand ends with a guard rail blocking it off... is this potential access I to stand 57? old comments 2015 YOE Stand borders Gilchrist Creek, need portable bridge to access this stand. All of stand would fall within the RMZ for Gilchrist Creek. Nice wildlife corridor. Stand is almost all unclassified lowlands with a small area of PArVVb.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Northern White Cedar	20	Log	11	
								Balsam Fir	2	Pole/Log	8	
								Red Pine	35	Log/XLog	14	85
								White Pine	30	Log/XLog	13	
								Black/Red (Hybrid) Oak	3	Log	12	
Red Maple	10	Pole/Log	8									
Sub-Canopy Species	Density	Avg. Height	Size									
Balsam Poplar	Medium	5 - 10 feet	Sapling									
Cherry (spp.)	Low	Variable	Sapling									
Balsam Fir	Medium	Variable	Sapling									
Aspen (spp.)	Medium	< 5 feet	Sapling									
Paper Birch	Low	10 - 20 feet	Sapling									
White Pine	Medium	< 5 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																				
57	4139 - Aspen, Mixed Deciduous	Sawtimber Well	28.0	64	81-110	N/A	stand was not treated, check about carrying tx forward at compartment review. old comments 2015 yoe Aspen stand with fair quality stems. Good species diversity, lowland along western edge. Rolling terrain. Access an issue need to cross Gilchrist creek to access. Stand is a mix of AFO, unclassified lowland and PARVVb.																																																																																				
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58	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	8.6	96	111-140	N/A	Lowland conifer stand dominated by cedar, along perimeter of stand higher density of deciduous trees. Large amounts of down woody debris, stand water was present during the inventory. Site index 58. Stand is entirely Unclassified Lowland.																																																																																				
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59	4139 - Aspen, Mixed Deciduous	Sapling Medium	83.2	5	Immature	N/A	stand regenerated well to aspen. oak retained during harvest in sw. cedar retained in center of stand is experiencing approximately 30% windthrow. old comments ehler (no sale number or name in comments) Harvest completed 08/2017. Final harvest, retain cedar and oak. Aspen/mixed hardwood is starting to regenerate. Diverse stand of log and pole size material. Aspen is the dominate species with a mixture of associated hardwood species. There are a couple of small cedar pockets found in this stand of rolling terrian. There are two small creeks that flow through this stand one borders along the western edge and teh other is located in the NE corner along the stand line with Stand 63. This creek disappears so it may be more of a ephemeral stream that is not mapped. Majority of stand is upland but there are areas with lowland associated species and as you move north it becomes more lowland. Oak is located in the SW corner of the stand this portion of stand very park like. Stand is primarily AFO with pockets of Unclassified Lowland.																																																																																				
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64	3102 - Grass	Nonstocked	0.8	0			Gas Well Site.																																																																																					
65	4130 - Aspen	Sapling Well	0.0	25	Unspecified	N/A	Young aspen stand with some pole sized stems scattered throughout. Previous inventory has stand as an A5 with average DBH of 7 inches at 8 years. Stand is entirely PARVHa/PARVvb.																																																																																					
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Cherry (spp.)	Medium	Variable	Sapling																																																																																									
Red Maple	Medium	Variable	Sapling																																																																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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67 4310 - Pine, Oak Mix Sawtimber Well 14.9 91 111-140 N/A

Stand split from Stand 70. Old sale map in compartment folder indicate area of pine excluded from adjacent harvest. Good area for large tree management. Drawn stand boundary approximates operability considerations for sale prep, Adjust accordingly in the field.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	45	Log/XLog/Pole	16	91	Beech	Low	< 5 feet	Sapling
Sugar Maple	10	Log/Pole	12		Ironwood	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	20	Log/XLog/Pole	16	46	White Ash	Low	< 5 feet	Sapling
Red Maple	10	Pole/Log	9		Serviceberry (Juneberry)	Low	< 5 feet	Pole
Paper Birch	1	Pole/Sapling	6					
White Pine	10	XLog/Log/Pole	18					
Bigtooth Aspen	4	Log/Pole	12	42				

68 4191 - Mixed Upland Deciduous with Conifer Sawtimber Poor 11.3 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Log/Pole/XLog	16	90	Autumn Olive	Medium	5 - 10 feet	Tall Shrub
Basswood	10	Pole	8		Black Raspberry	Medium	5 - 10 feet	Tall Shrub
White Ash	5	Pole/Sapling	6		Sugar Maple	Medium	Variable	Sapling
Red Oak	25	Log/Pole	14		White Pine	Medium	Variable	Sapling
White Pine	25	Log/Pole/XLog	12	90	Basswood	Low	Variable	Sapling
Bigtooth Aspen	10	Pole	8		Beech	Low	Variable	Sapling
					Paper Birch	Medium	Variable	Sapling
					Red Oak	Medium	Variable	Sapling
					White Ash	Low	Variable	Sapling

69 4125 - Black, N. Pin Oak Sawtimber Well 12.6 100 51-80 N/A

Classic low quality SW sandy ridgetop black and pin oak 13 inch avg. some decent hybrid stems mixed in 80 to 110 ba. Aspen clumps and some rm stems 8 to 12 inches. mortality in the aspen. scattered short fat up to 18" rp and a couple younger wp. hawthorn and serviceberry. Poor access and operability. ridge is narrow with steep drops to east and west. best access is from NE or S but is still questionable. do not cut stand do to erosion concerns and only approximately 50 percent of stand is operable.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	11		Hawthorn (spp.)	Medium	Variable	Tall Shrub
Black/Red (Hybrid) Oak	60	Log/Pole	14	100	Oak (spp.)	Low	Variable	Sapling
Bigtooth Aspen	10	Log	13		Cherry (spp.)	Medium	Variable	Sapling
Black Cherry	5	Pole/Sapling	5		Serviceberry (Juneberry)	Medium	Variable	Sapling
White Pine	5	Log/Pole/XLog	10					
Red Pine	10	Log/XLog	15					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70	4199 - Other Mixed Upland Deciduous	Poletimber Well	43.3	42	81-110	N/A	12/20/22Stand 70 split from stand 47. Boundary is indistinct in transition however Stand 70 is hardwood dominated with more white pine than stand 47. Autumn olive along roads and in openings (old landings?). Cherry is poor form. HM has potential to produce some fair quality. RM is mostly large clumps of stump sprouts. Oak is vigorous and outcompeting other sp in most locations. Scattered individual RP. Pockets of WP. Rolling terrain. ORV trail, well sites, and pipeline present. Ash is mostly dead and down however scattered poles and saplings with evidence of EAB.Old commetns 2015 YOEPole sized stand of aspen and mixed hardwoods, throughout the stand there are small indiviual pockets of aspen, red maple as well as some conifers. Old OI indicates some red and white pine were left from the last treatment in the late 70's early 80's. Understory vary sparse. Rolling to steep terrain with gas wells and ORV trail found in this stand.Stand is three quarters AFO and the rest is PARVVb/AFO.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole/Sap	12		Ironwood	Low	< 5 feet	Sapling
Red Pine	3	Pole	9		Beech	Low	< 5 feet	Sapling
Beech	1	Pole	6		White Ash	Low	Variable	Sapling
Paper Birch	7	Pole/Sapling	5		Serviceberry (Juneberry)	Low	< 5 feet	Pole
Bigtooth Aspen	19	Pole/Sapling	6	42	Autumn Olive	Low	5 - 10 feet	Tall Shrub
Red Maple	18	Pole/Sapling	6					
Sugar Maple	19	Pole/Sapling	7					
Black Cherry	3	Pole/Sapling	5					
Black/Red (Hybrid) Oak	20	Pole/Log	9	42				

72	310 - Herbaceous Openland	Nonstocked	0.8	0		No	Natural Gas Well Site
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