



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54118

Entry Year 2020

Acreage: 1,510

County Presque Isle

Management Area: Cheboygan Lake Plain

Revision Date: 2018-05-10

Stand Examiner: John St. Pierre

Legal Description:

T33N R02E Sections 6, 7, 8, 17, 18

T34N R02E Section 31

Identified Planning Goals:

Within the Cheboygan Lake Plain management area (MA), active and passive management will strive to balance cover type age classes, produce sustainable forest products, enhance game and non-game species habitat, protect areas of unique character, and provide for forest-based recreational uses.

Soil and topography:

Land type associations (LTAs) within compartment 118 are dominated by muck, sand, loamy sand, sandy loam, and silt soil types. Water accounts for just over 1% of the compartments total acreage. Tawas, Roscommon, and Lupton muck (~45%) are the most prevalent soil types. Combinations of sands, silts, and loams account for the balance. Topography is generally flat with areas of slight undulation. Minor elevation changes can dramatically affect existing site conditions (upland vs. lowland).

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

Atlanta compartment 118 is bounded by a nearly equal amount of private and state-owned lands along its extremities. Some agricultural lands are located close to northern segments of the compartment. Whether state or privately owned, land use in and around 118 is generally recreational in nature (hunting, fishing, exploring, etc.).

Unique Natural Features:

Expansive lowland cover types (forested and non-forested) provide countless biotic and abiotic services within and around compartment 118. Canada Creek, Black River, and their associated corridors wind through 118. These water features, along with their tributaries, provide high priority trout stream/river conditions as well as valuable cold-water aquatic habitat. Michigan Natural Features Inventory (MNFI) has identified Ram's Head Lady Slipper as being present. MNFI has also observed and indicated the general area as being suitable Wood Turtle habitat.

Archeological, Historical, and Cultural Features:

Several locations within compartment 118 appear to be old homestead sites. These locations are reflected in the Michigan Natural Features Inventory (MNFI) database. No other archeological, historical, or cultural features were observed or identified within this compartment.

Special Management Designations or Considerations:

General forest health concerns and issues are present but not prevalent within compartment 118. Beech Bark Disease (BBD), Emerald Ash Borer (EAB), and White Trunk Rot are present yet the cover types they affect are generally limited (beech, ash, aspen) within 118. Signs and symptoms of Spruce Bud Worm (SBW) were not definitively observed in 118's heavy balsam fir component. Eastern Hemlock is present in clumps and as scattered individuals throughout the compartment. Thankfully, Hemlock Woolly-Adelgid (HWA) was not visually observed by this examiner during inventory. Some conifer and deciduous trees did exhibit signs of stress and decline. In some cases, it's likely the result of advancing age. For others, it's very well the result of the numerous difficult growing conditions found throughout 118. Seasonal flooding, year-round saturated soils, swallow rooting, high wind events, competition for limited resources, deer browse, and nutrient poor soils make for difficult growing conditions in areas. Given these circumstances, the cover types present throughout 118 displayed generally healthy characteristics.

Non-native/invasive flora (honeysuckle and autumn olive) were observed in two isolated colonies during the inventory process. Invasive aquatic species, such as phragmites, could pose serious problems if establishment occurred along 118's flowing and/or static water resources. It should be noted that inventory for this compartment was primarily conducted during the late fall and then late winter months. The conditions weren't always conducive to identifying all potential forest health issues and invasive flora that may/may not be present.

Watershed and Fisheries Considerations:

Named watershed systems that travel through compartment 118 include Black River, Canada Creek, and Tomahawk

Creek. Numerous unnamed 'feeder' watershed systems are located within the compartment as well. Black River and Canada Creek have an associated 'High Priority Trout Stream' buffer extending out from their banks. A number of the unnamed 'feeder' streams are captured as 'Type 1&2 Cold Water Streams'.

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. There is also a large river corridor following Canada creek which is an excellent pathway for wildlife travel. Habitat components of cedar and wetland complexes as well as aspen provide food and cover for multiple species at a variety of age classes. We are working to maintain winter cover areas as well as keep a good age rotation of aspen in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located nearby, and sand & gravel potential appears to be limited within the compartment. There also does not appear to be significant limestone potential. The southern portion of the compartment lies within the Niagaran reef trend. There have been no successful wells inside the compartment, but there are active leases and parcels currently nominated for leasing. There is potential for additional Niagaran reef reservoirs in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access, especially interior access, is limited to non-existent within and around compartment 118. Milligan Hwy, Dixon Hwy, M33, and Co Rd 634 provide some perimeter access but little more. Abandoned well sites and associated two-tracks provide some access into areas of sections 17 & 18. Lowland dominance within the compartment has negated usable road establishment. Some illegal ORV usage was observed in sections 7 & 18 (stemming from private lands). Yet even ORV's have little freedom to roam because of the difficult travel conditions.

Survey Needs:

Survey work would be appropriate along certain interfaces of state and private ownerships in section 6. No treatments are yet proposed in these areas, but it would be helpful to identify exact ownership. A substantial portion of the remaining extremities have been surveyed and corners were located. However, several documented survey corners eluded metal detection during boundary verification.

Recreational Facilities and Opportunities:

There are no designated recreational trails or facilities within compartment 118. Foot or snowshoe travel is about the only mode of transportation after departing M33, Milligan Hwy, Dixon Hwy, Co Rd 634, and/or the limited number of somewhat drivable forest two-tracks. Several locations used for hunting purposes were observed during inventory. Meandering is an option for the public but would entail generally difficult travel conditions in many locations.

Fire Protection:

Although the probability of occurrence is low within this compartment, wildland fire protection is provided locally by Onaway VFD, Onaway DNR, Atlanta DNR, and Indian River/Gaylord DNR. If necessary, additional support could be provided by surrounding VFD's and DNR field offices. Vehicle access would be limited to M33, Milligan Hwy, and Co Rd 634. The primary watering locations are Canada Creek and Black River.

Additional Compartment Information:

Stand examinations within this compartment were conducted by John St. Pierre, Ryan Zimmerman, and Andrew Krugh.

The following reports from the Inventory are attached:

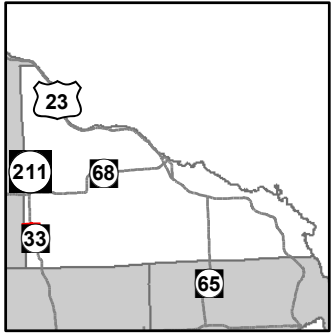
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

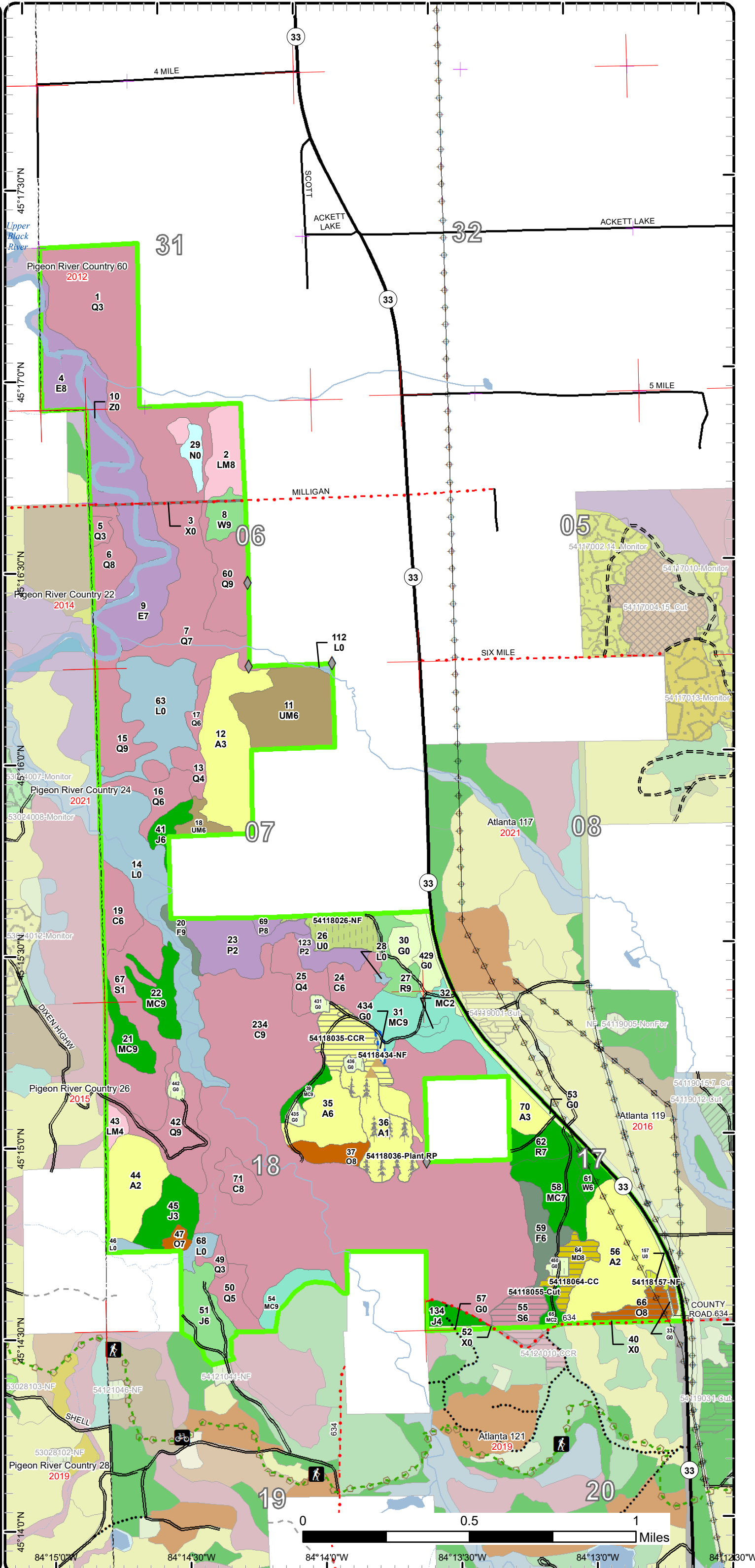
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 118
 T33N, R02E, Sec. 6-8, 17, 18
 T34N, R02E, Sec. 31
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2020
 Acres: 1,510 GIS Calculated
 Examiner: John St. Pierre
 Map Revised: 10/3/2018
 Map Phase: Post-Review

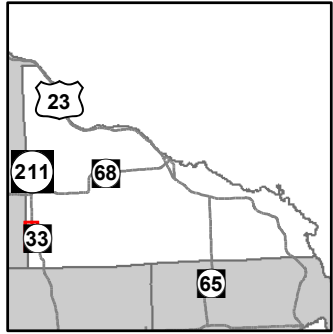


- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Hiking Trails
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- Perennial River
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- Berms
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Planting (tree species)
- Clearcut (w/Reserves)
- Opening Maintenance
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- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
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- 623 - Emergent Wetland
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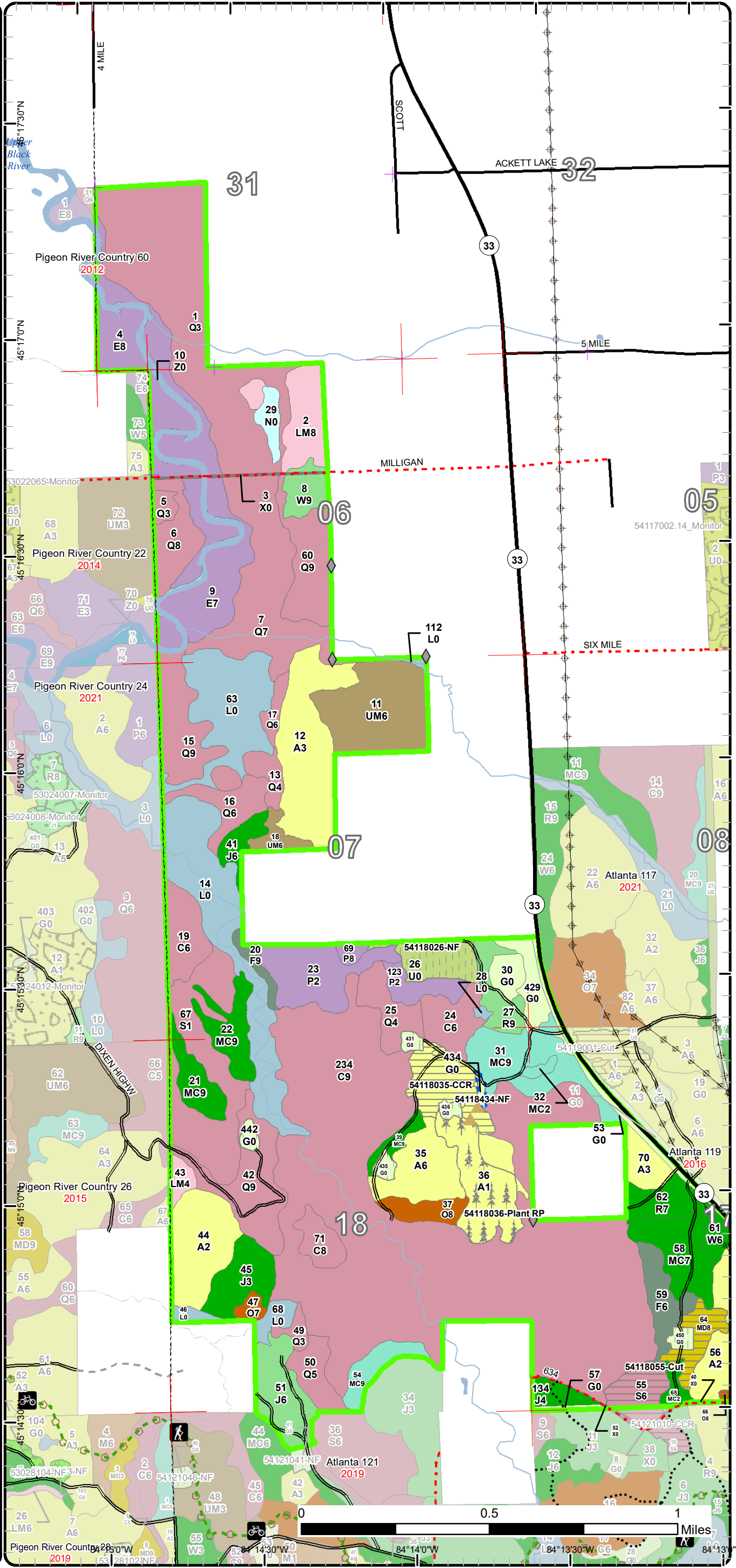


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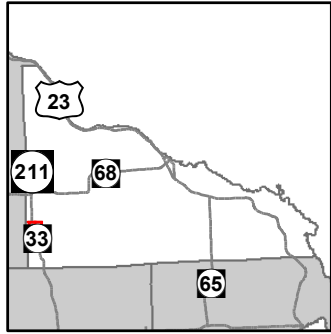


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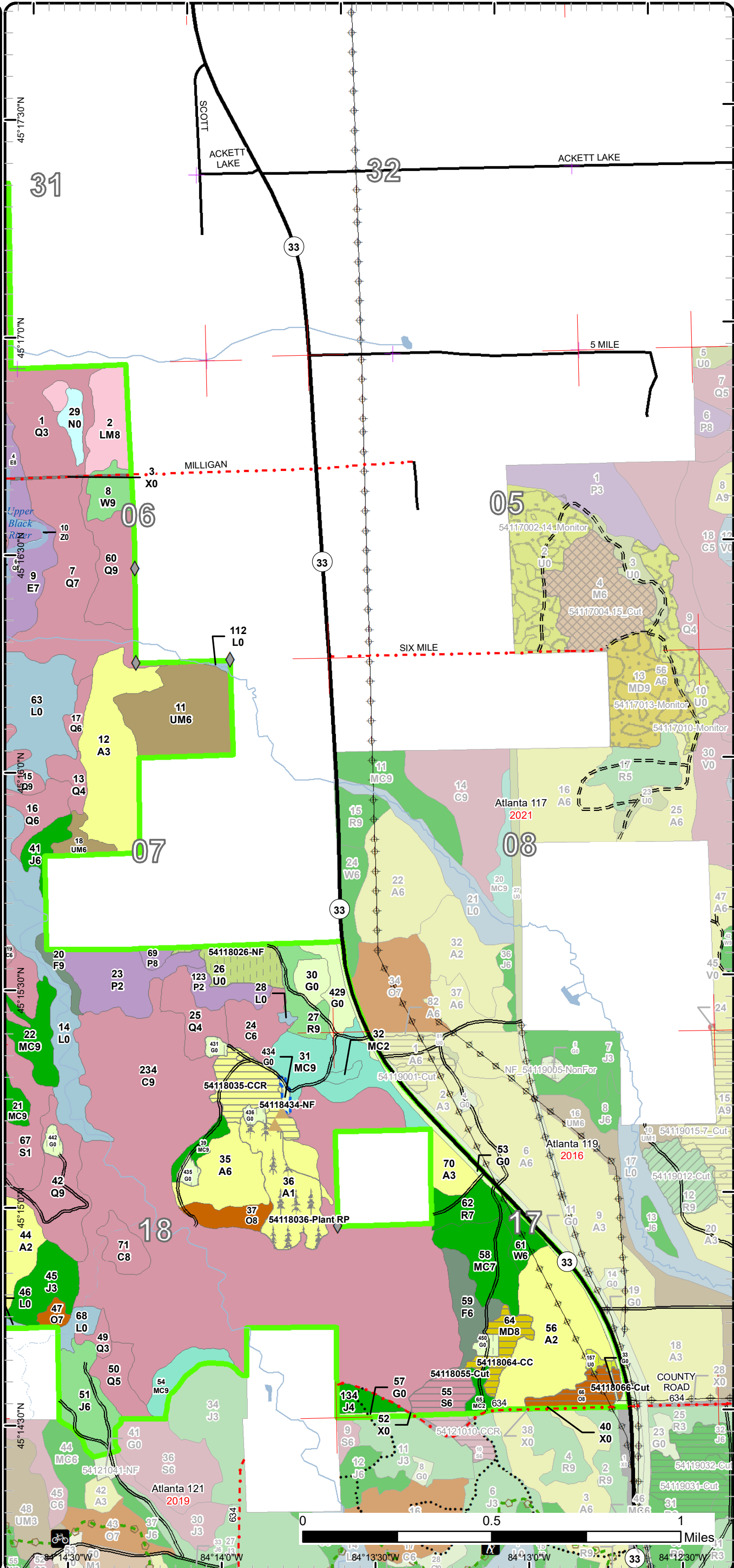


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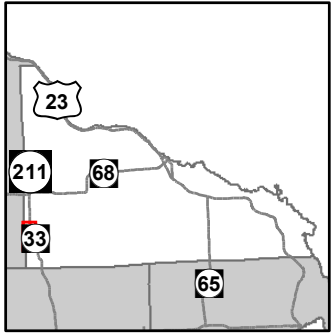


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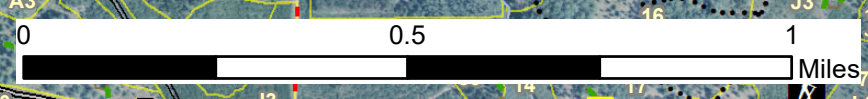
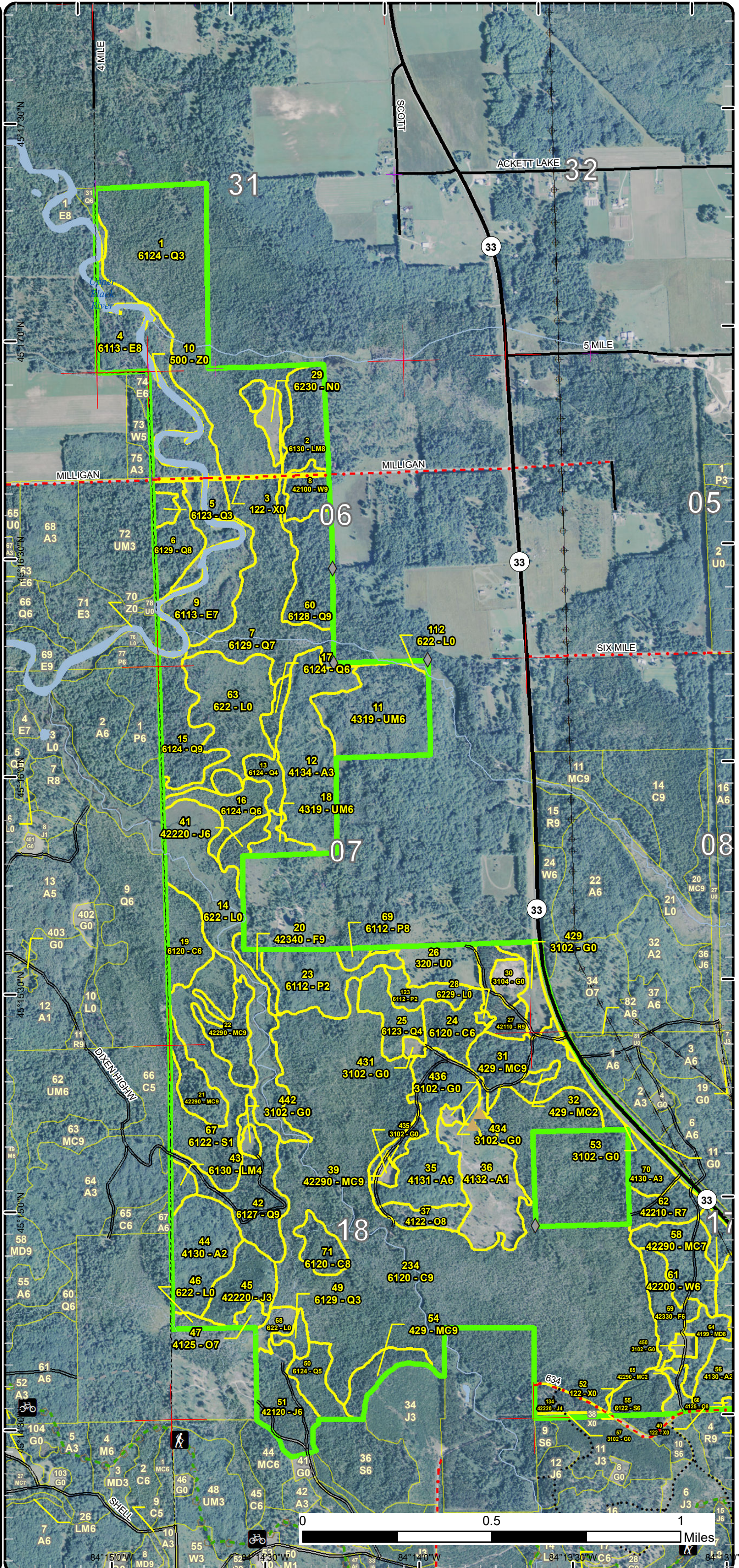


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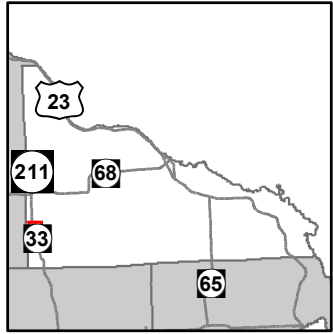
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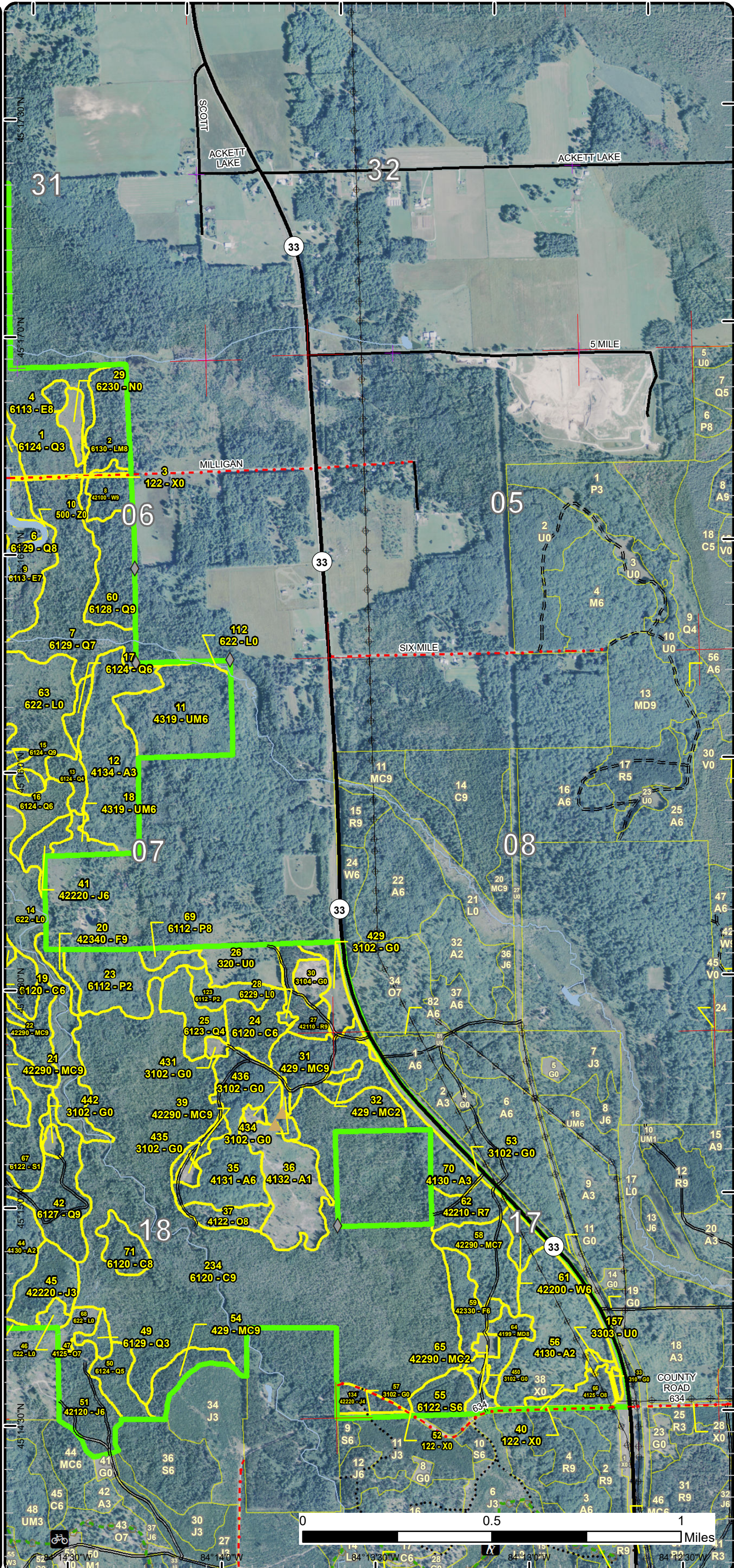
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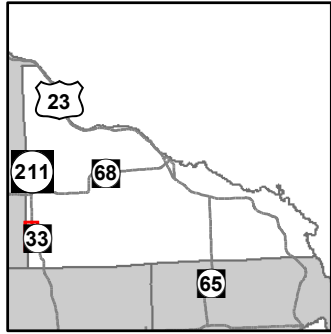


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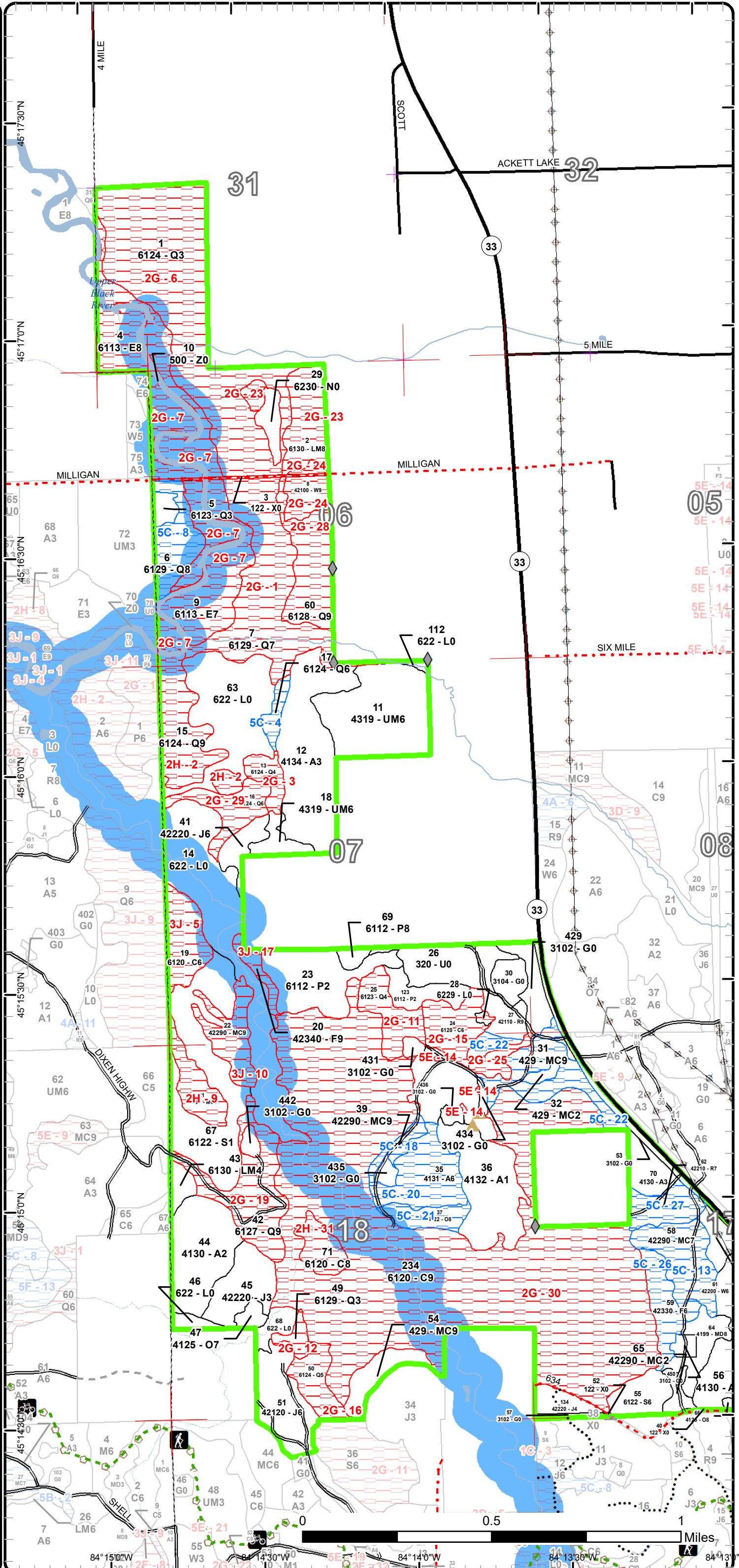


Special Conservation Areas & Site Conditions Map

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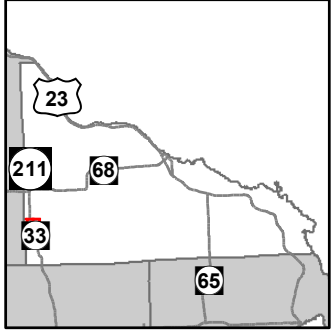


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- Available w/ Constraints
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- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
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- High Priority Trout Stream Buffer

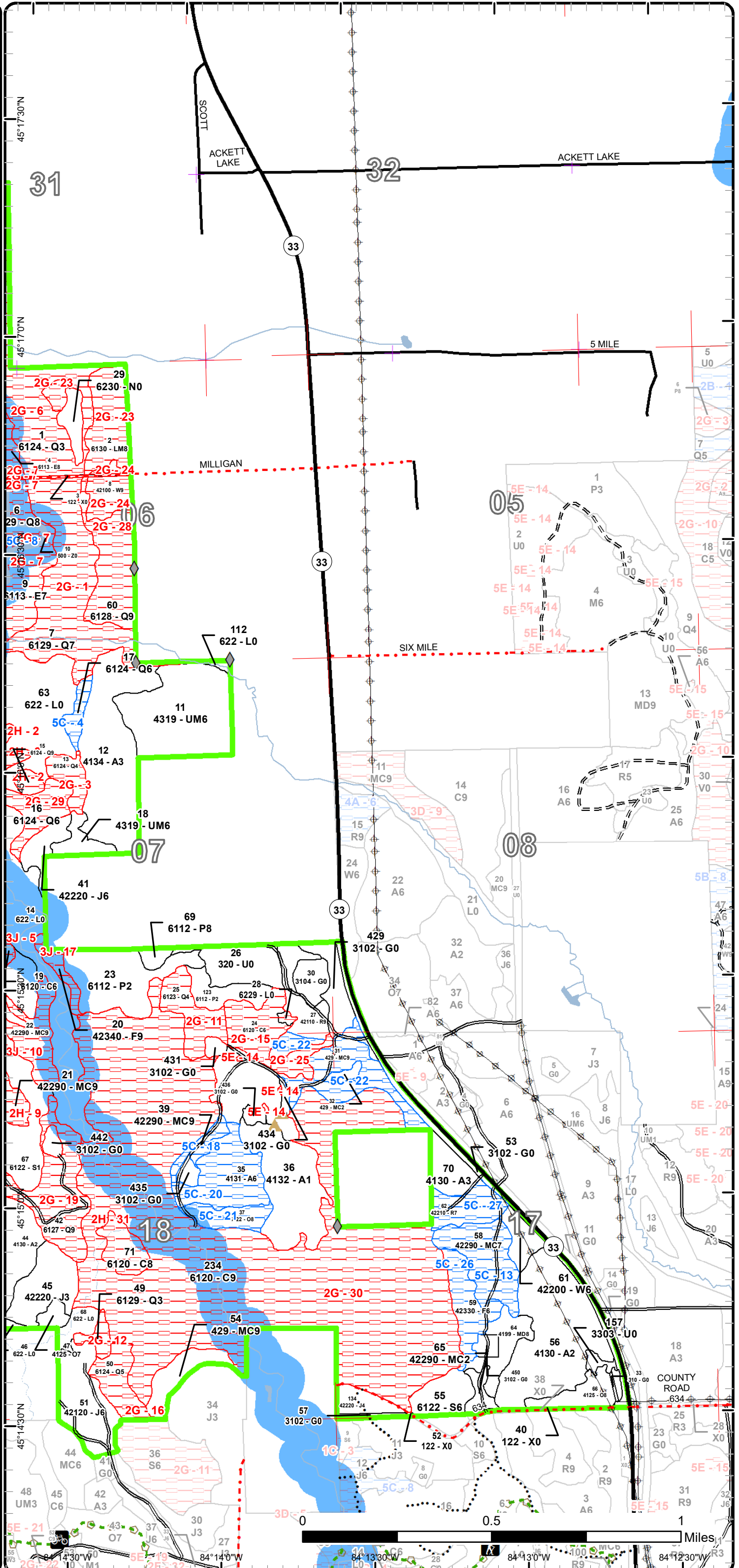


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	30	47	80	0	0	40	0	0	0	0	0	0	0	0	0	0	0	197
Cedar	0	0	0	0	0	0	0	0	0	337	23	0	15	0	0	0	0	0	375
Herbaceous Openland	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Jack Pine	0	0	0	16	0	33	0	0	0	0	0	0	0	0	0	0	0	0	49
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	33	0	0	0	0	2	0	0	0	0	0	0	0	0	0	35
Lowland Conifers	0	0	0	0	0	20	0	112	22	50	80	0	0	0	0	0	0	11	295
Lowland Deciduous	0	0	0	0	0	0	0	46	0	38	0	0	0	0	0	0	0	0	84
Lowland Mixed Forest	0	0	0	0	0	4	0	0	20	0	0	0	0	0	0	0	0	0	24
Lowland Shrub	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Lowland Spruce/Fir	0	0	0	0	44	0	0	10	0	0	0	0	0	0	0	0	0	0	54
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	4	0	0	0	0	0	14	0	0	24	0	0	11	0	0	0	53
Oak	0	0	0	0	0	0	0	0	9	3	8	0	0	0	0	0	0	0	20
Red Pine	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	0	0	22
Upland Conifers	0	0	0	2	0	0	0	10	0	0	0	0	0	28	0	0	0	0	40
Upland Mixed Forest	0	0	0	0	39	0	6	0	0	0	0	0	0	0	0	0	0	0	45
Upland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Spruce/Fir	0	0	0	0	0	4	0	13	0	0	0	0	0	0	0	0	0	0	17
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
White Pine	0	0	0	6	0	0	0	0	9	0	0	0	0	0	0	0	0	0	15
Total	177	30	51	137	83	61	57	191	74	114	425	47	0	43	11	0	0	11	1512



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 118

Total Compartment Acres: 1,510

Commercial Harvest - 46
 Harvests with Site Condition - 0
 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	18	0	0	0	0	0	0	0	0	18
Lowland Spruce/Fir	10	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Oak	9	0	0	0	0	0	0	0	0	9
Total	46	0	0	0	0	0	0	0	0	46

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	46	0	25	0	0	0	0	0	25	96
Next Step	0	25	50	0	0	25	133	0	0	234
Total	46	25	75	0	0	25	133	0	25	330



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	54118026-NF	14.1	320 - Upland Shrub	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	3102 - Grass		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

35	54118035-CCR	18.2	4131 - Aspen, Oak	Poletimber Well	50	111- 140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut w/Retention. Use 2" spec.

Specs:

- Some island & exclusion retention is present in the Rx layer. These have been placed around invasive honeysuckle and a clump of pine.
- Select 1-3 supercanopy red oak to place very small retention islands around. These islands should extend just beyond the 'drip line' of selected oak. Meant to protect from damage & mimic scattered leaf trees.
- Leave red/white pine
- Protect red/white pine saps in specs
- Include drumming log spec. Mark 1-2 cut & leave trees per every 1-2 acres.

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to fully stocked mix of aspen, pine, red maple, and oak. Heavy browse observed near Rx area.

Regen:

Other - To limit spread of invasive honeysuckle, avoid hauling, skidding, and/or using Stand 434 as a landing location.

Comment: - Access road will likely need pre/post harvest maintenance.

Proposed Start Date: 10/1 /2019

36	54118036-Plant RP	25.1	4132 - Aspen, Jack Pine	Sapling Poor	6	Immatu re	Planting	Initial Plant	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Initial Planting to Red Pine. Prior to initial planting site prep, identify pockets of desirable species, preferably oak, that have regenerated above browse height to exclude from chemical/mechanical treatment. If possible, try to locate these exclusions/skips near boundary locations. A pocket of successfully regenerating aspen has already been excluded.

Next Step Pesticide, Aerial; SitePrep, Roller Chopping; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr);

Treatments: Planting, Replant

Acceptable Fully stocked planted red pine with inclusions of desirable deciduous species, preferably oak.

Regen:

Other Long-term goal is one rotation of red pine. It's hoped that the red pine coverytype will foster recruitment of species representative of this stand prior to harvest in 2012&13. Species should include oak, white/red/jack pine, red maple, and aspen.

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
55	54118055-Cut	9.7	6122 - Black Spruce	Poletimber Well	60	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, maple, spruce, fir, birch, jack pine, white pine, or tamarack.

Regen:

Other Prep with Stand 10 during 2019 year of entry.

Comment:

Proposed Start Date: 10/1 /2018

64	54118064-CC	9.6	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	84	51-80	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut. Use 2" spec.

Specs: - No formal retention to maximize regeneration. However, boundary exclusion of honeysuckle and a few oak/pine is acceptable.

- Leave red pine and white oak

- Mark to leave a few scattered white pine

- Protect red/white pine saps in specs

- Include & Enforce drumming log spec. Prep forester's option to mark cut & leave trees per spec guidance.

- Use spec 2.2.10 (or similar spec), "No chipping tops and limbs". Meant to blockade some regen from browse. Encourage producer to concentrate tops near freshly cut stumps.

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Based upon the current stocking level of the parent stand, expect low to medium stocking of oak, red maple, aspen, pine, fir, and some birch.

Regen:

Other Invasive honeysuckle is present along perimeter locations. Encourage producer to minimize disturbance in these areas.

Comment:

Proposed Start Date: 10/1 /2019

66	54118066-Cut	8.9	4125 - Black, N. Pin Oak	Sawtimber Medium	74	51-80	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut. Use 2" spec.

Specs: - No formal retention to maximize regeneration. However, boundary exclusion of honeysuckle and a few oak/pine is acceptable.

- Leave red/white pine and white oak

- Protect red/white pine saps in specs

- Include & Enforce drumming log spec. Prep forester's option to mark cut & leave trees per spec guidance.

- Include spec 2.2.10 (or similar spec), "No chipping tops and limbs". Meant to blockade some regen from browse. Encourage producer to concentrate tops near freshly cut stumps.

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Based upon the current stocking level of the parent stand, expect low to medium stocking of oak with minor components of pine, red maple, and aspen.

Regen:

Other Invasive honeysuckle is present along perimeter locations. Encourage producer to minimize disturbance in these areas. Also, avoid hauling,

Comment: skidding, and/or using Stand 157 as a landing location (it's full of honeysuckle).

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
157	54118157-NF	1.6	3303 - Mixed Low Density Trees	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other
Specs: agriculture practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

431	54118431-NF	1.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture
Specs: practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

434	54118434-NF	1.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition: Age-Class or Site Quality**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other
Specs: agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

435	54118435-NF	2.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture
Specs: practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
436	54118436-NF	1.6	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other
Specs: agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

442	54118442-NF	2.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture
Specs: practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

450	54118450-NF	2.3	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other
Specs: agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
 Acreage Proposed: 98.3**

Report 4 – Site Conditions

Atlanta Mgt. Unit
John St. Pierre : Examiner

Compartment: 118
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	2G	2H	3J	5E
197	175	21	0	Aspen	21				0
374	0	0	374	Cedar		350	9	15	
41	41	0	0	Herbaceous Openland					
50	50	0	0	Jack Pine					
2	2	0	0	Low-Density Trees					
36	36	0	0	Lowland Aspen/Balsam Poplar					
295	3	19	272	Lowland Conifers	19	247	25		
83	0	0	83	Lowland Deciduous		83			
24	4	0	20	Lowland Mixed Forest		20			
100	100	0	1	Lowland Shrub		1			
53	53	0	0	Lowland Spruce/Fir					
5	5	0	0	Marsh					
10	10	0	0	Mixed Upland Deciduous					
53	4	24	26	Natural Mixed Pines	24		11	14	
20	12	8	0	Oak	8				
22	11	11	0	Red Pine	11				
40	11	24	5	Upland Conifers	24	5			
44	44	0	0	Upland Mixed Forest					
14	14	0	0	Upland Shrub					
17	0	13	4	Upland Spruce/Fir	13			4	
3	3	0	0	Urban					
12	12	0	0	Water					
15	6	0	9	White Pine		9			
1,510	596	120	794	Total Forested Acres	120	715	45	33	0
	39%	8%	53%	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)	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
John St. Pierre : Examiner

Compartment: 118
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Wet sensitive soils and limited/scattered merchantability throughout.							
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Isolated stand blockaded by low, wet, sensitive soils and water features.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too wet and very limited merchantability.							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: North 1/2 appears more operable than remainder. Consider managing when Stands to east become more merchantable in the future.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	99	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	83	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Black River flood plain corridor. Bring waders.							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: About half of this stand was operable upland but populated with a fair amount of legacy/nearing legacy sized tree species. Remainder was lowland with sensitive soils and limited merchantability. Recommend letting it be.							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Worth verifying if this stand meets Type 1 Old Growth requirements. "A forested area 3 acres or more in size that has never been logged and that display old-growth characteristics".							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 118
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12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very nice WP sap layer developing in the understory. Mixing nicely with a diverse variety of other regeneration (conifer and deciduous).							
14	Unavailable	5E: Long-Term Retention	0	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Boundary excluded Long-Term Reten. North & East polys are the honeysuckle exclusions. South poly is the clump of pine.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Some upland present yet most of this stand appears inoperable.							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
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Compartment: 118
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18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Seasonally inundated/sensitive soils, lowland indicator species, water table appears close to surface.							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Lowland w/some upland. Standing water and water courses present. Limited merchantability in many areas.							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Up w/Low. Seeps, seasonal drainages, and sensitive soils that would be easily disturbed by harvesting equip. Visited w/Harig 5/16/18 and he concurs with too wet/sensitive soils S.C..							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Seasonally inundated water course. Pit and mound structure, tip-ups, lowland species, etc, that suggest the soils present could be easily disturbed by harvest equipment.							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Majority of stand could use at least another cycle before a commercial harvest is considered. Revisit during '28 inventory cycle.							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fire origin RP & WP.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
John St. Pierre : Examiner

Compartment: 118
Year of Entry: 2020

28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low w/Up. Seeps, seasonal drainages, and sensitive soils that would be easily disturbed by harvesting equip. Visited w/Harig 5/16/18 and he concurs with too wet/sensitive soils S.C..							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	337	Unspecified	Unspecified	Unspecified	Unspecified
Comments: JSP: Most locations I was able to visit were very wet. Seasonal and probably some year-round water courses and streams that feed into Canada Creek were observed. Some scattered upland areas present.							
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments				
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Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6124 - Lowland Spruce- Fir	Sapling Well	99.2	68	1-50	Didn't see entire stand. South 1/2 was very wet/dense w/mainly sap sized species. Scat poles observed. NWC was dotted throughout and the only reliable P/L, L/P specie I saw. Water courses, cattail/grassy wet openings present. Upper canopy dieback in some NWC. Northern 'block' appears to be larger DBH, larger canopied, w/greater species mixture (based upon imagery). OPIC - FMD: VERY WET WITH LOW QUALITY
2	6130 - Fir, Aspen, Maple	Sawtimber Medium	20.0	77	81-110	Low w/up, variable size/species composition. Dense sub-canopy fir, some ~one stick merch, upland areas are pole/log, a lot is sub-merch. Appears pole dominant (fir) yet felt true canopy species were the unevenly stocked log sized species above subcan-fir (so calling 50-75% log can.closure). ~1/3 is upland (near Milligan Hwy and extreme northern areas). Remainder is rolling low w/some up featuring N.W. flowing water course, standing water, sensitive soils, and non-merch. Couldn't locate corners along east boundary of PVT. Spoke with PVT land-user (Tony), he didn't know if PVT had been surveyed. OPIC - FMD: WEST PART OF STAND IS WETER. DAMAGE WILL RESULT, TO SOILS, IF ANY OPERATIONS ARE CONDUCTED IN THIS STAND. EAST SIDE HAS SOME HIGH SPOTS AND WOULD ALSO HAVE DAMAGING RESULTS IF WE HARVEST.
4	6113 - Lowland Maple	Sawtimber Medium	45.5	66	51-80	Had grand plans of seeing all.. Area was flooded from recent rain & full of dead ash blowdown. Ash formally a large overstory component. Silver and Red maple variable in size and age. Some VERY LARGE maple xlogs present (cored xlog Silv.Map@ ~118yrs). Stand 9, south of Milligan Hwy, is the same type of river corridor stand. Imagery shows lowstock/non-forested areas, reduced can.closer to 50-75. OPIC - FMD: RIVER FLOODPLAIN, SOME TREES BUT IN POOR SHAPE. Frequently floods.
5	6123 - Lowland Fir	Sapling Well	3.3	42	Unspecified	Lowland conifer dominated sapling pocket. Unsure if the result of past harvest or excessive low/wet conditions. Found 70's era wax paper comp map with this area as a W9 and Rx'ed with red horizontal lines. A few interior and perimeter log sizes. OPIC - FMD: TRASH DUMPING ALONG TRAIL.
6	6129 - Mixed Coniferous Lowland Forest	Sawtimber Medium	14.9	80	81-110	Stand has several personalities. Zig-zaged through, south to north. Small sub-acre opening and most conifer large log or xlog in south 1/3rd. Undulates up/down throughout the stand, causing DBH decrease & sap increase. Center is unique but small clump of legacy and large log pine/hemlock. Saps extend out from Stand 5 into this stand. Northern most area is another legacy and large log mix of pine, hemlock, spruce, cedar, and others. Variable DBH's on east boundary w/Stand 9. Log sizes don't occupy canopy across entire stand, saying can.closure is on high side of 50-75 as a whole. OPIC: LEAVE FOR RIVER PROTECTION.
7	6129 - Mixed Coniferous Lowland Forest	Sawtimber Poor	52.1	98	Unspecified	Variable!! Could break-out into 3 or more stands. Lowest/wettest areas are packed w/fir saps (fir saps full throughout) & a few NWC/Wht.Sprc logs/poles. Intermediate areas feature a few more log sizes. Two brief upland islands, 1-10chns north & 1-4chns south of Tomahawk Creek. Ups are fairly dense with P/L species (most pine located in the ups). Converts into nearly pure cedar in SE, north of TomhwkCrk. Could call many things, going w/Low Canopy closure log stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
8	42100 - Planted White Pine	Sawtimber Well	8.8	78	111-140	Very much appears to be planted WP, with some scat RP. Weevil damage in many WP from the early days, quite a few now multi-stemmed & wolfy. RP generally concentrated near the old 2-track and north of Milligan Hwy. Invasive honeysuckle present as individuals and in clumps. Full Blk.Ash in sub-can, most are HEAVILY browsed. Paulus comment about springs & seeps present is true. Small poly north of Milligan appears to be natural WP&RP and features more BF/Sprc. Visited w/Harig 5/16/18, agreed w/2G S.C.. OPIC - FMD: SCATTERED PINE WITH TAG ALDER IN OLD HOMESTEAD SITE. LOTS OF SPRINGS & SEEPS.
9	6113 - Lowland Maple	Sawtimber Poor	37.7	87	Unspecified	Very similar if not same as Stand 4 to north. Black River flood plain mix of silver/red maple. Variable sizes from pole in areas to concentrated log in others. Observed from east & west edges, flooded any direction I came at it from. Vast blow-down/non-forested areas, observed and on imagery. Low canopy closure in the locations I was observing from. OPIC - FMD: RIVER FLOODPLAIN. SOME TREES BUT IN POOR CONDITION.
11	4319 - Mixed Upland Forest	Poletimber Well	38.6	38	81-110	Clearcut in '81. Now lumpy clumpy. Pockets left uncut, conifer (mostly fir) and a few red oak. Two ages for QA (37&~53yrs) and fir was younger than DBH's would suggest (fir is onsite). Difficult to define exact harvest area, QA is more/less pole but plenty of saps present (more saps in areas w/heavier conifer canopy). S.E. chunk (~2ac) is nearly pure aspen, larger pole, with a few scat xlog R.Oak. Low/wet locations abound, especially along/near west boundary. OPIC - FMD: JUST CONVERTING TO POLES.
12	4134 - Aspen, Spruce/Fir	Sapling Well	43.6	27	1-50	Younger (aspen) version of Std.11 to east. Cut everything but conifer (mainly fir) and the few oak. Clumps of fir abound. QA saps generally poor quality/appear offsite (canker, poor form). North 1/3 has QA that is in better shape, bit larger DBH. Difficult to discern exact harvest area (like Std.11). Fir is younger than DBH's would suggest, enjoys growing on this site. Sporadic stocking, open areas, closure is low end of 75-100. Terrain undulates with low/wet bottoms sprinkled all over. OPIC - FMD: SOME BEAVER ACTIVITY ALONG THE NORTH EDGE
13	6124 - Lowland Spruce-Fir	Poletimber Poor	6.2	87	51-80	VERY dense sap layer, generally fir. Inconsistent pole (some log) canopy, mainly occurring in locations that are a fraction of an inch higher than surrounding low & wet locations. Appears that portions of this stand were part of the harvest that took place '60, in Stand 16. Quite wet and hummocky.
15	6124 - Lowland Spruce-Fir	Sawtimber Well	24.9	81	81-110	Cool spot. Inch or two elevation change defines low or up. Primarily spruce (mostly wht) and fir dominated. QA is strong in areas. Wht.Sprc is generally larger log&xlog. Fir is larger pole w/scat log sizes. Remaining species mixing in on a consistent basis. Log sizes tend to dominate yet canopy closure (for log) is on lower end of 75-100. Calling Low w/Up given species composition. Spruce core showed good growth rates (seems to be the theme for lowland conifer types in this comp).



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6124 - Lowland Spruce-Fir	Poletimber Well	12.8	69	51-80	Generally a Pole/Sap broad mix of lowland conifer types. Quite a bit of spruce (wht/blk). Some areas (that I made it to) had more prevalence to log sizes (NWC). Clumpier/heavier to NWC in spots. Paulus stated below that cut in '60. Cedar cored had growth rings that corresponds to his comment. Central area of Stand 13 (thick w/saps) may of been the entrance into this stand back in '60. This stand is very hummocky and wet. OPIC - FMD: POOR ACCESS, CUT IN 1960. WET!
17	6124 - Lowland Spruce-Fir	Poletimber Well	4.2	80	81-110	South 1/3 lower/wetter, lighter stocked w/Poles (50-75 closure), and more dense w/conifer & decid saps. Remainder is a bit higher/dryer, with closed canopy heavily dominated w/spruce poles and some logs. Scat Xlog WP, generally near east boundary. Northern boundary begins a broad mixing and transition to numerous species. I lumped this 'gray' area into Std.7 (it includes the small area of up w/log/xlog RP). Kind of a 50/50 split of up & low in this stand. OPIC - FMD: SOME WHITE PINE ALONG EAST EDGE OF STAND. POOR ACCESS
18	4319 - Mixed Upland Forest	Poletimber Well	5.9	50	111-140	Clumps of defined P/S/L fir with defined QA poles between. Perimeter locations mix heavy to JP in west, dense BF Sap/Pole in north, and larger lowland conifer near NW. Has appearance of boundary excluded retention when Stand 12 was cut in early-mid 90's. OPIC - FMD: GOOD NATURAL REGENERATION NEAR WATER TABLE. NOT GREAT QUALITY. POOR ACCESS.
19	6120 - Lowland Cedar	Poletimber Well	14.9	125	81-110	OPIC - FMD: OI Stand Year Origin was 1893
20	42340 - Upland Spruce/Fir	Sawtimber Well	4.4	46	51-80	OPIC - FMD: NO ACCESS.
21	42290 - Natural Mixed Pine	Sawtimber Well	11.3	131	111-140	Krugh '18: 60% plus of the red and white pine meet legacy specs. Do not cut this stand. Age is estimated because increment bore was to short to get actual age. JSP '18: Not something you'll see to often. Used 'Borer not Long Enough' aging procedure on a 32.3" WP, aged 131 years old. Old growth characteristics (large WP logs on ground, large WP standing dead, and Large Living, etc.). Difficult to tell if ever harvested, potentially Type 1 Old Growth. Evidence of fire throughout.
22	42290 - Natural Mixed Pine	Sawtimber Well	14.2	77	81-110	OPIC - FMD: SWAMP CONIFER MIXED IN WITH WHITE AND RED PINE.NO ACCESS. JSP 5/9/18: Very recent beaver activity in areas. 16" QA still attached but gnawed. 18-20" QA on ground nearby. Fire origin mix of species, scattered legacy pine present.
23	6112 - Lowland Aspen	Sapling Medium	24.9	26	Immature	poor REPRODUCTION .MANY AREAS ARE STILL CATTAIL & ALDER.WET!



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6120 - Lowland Cedar	Poletimber Well	13.7	101	81-110	RZ: Upland pocket of black spruce runs from north to south on the west half of the stand. JSP: Stand is quartered into segments dominated by C6, S6/9, C6, and back to S6. Slight elevation change appears to be the reason for species change/dominance. Intermittent water course from Stand 31 was flowing west. Located just north of 2Trck access to opening (Std431). North, east, and south perimeter locations feature inclusions of log sized species including WP, JP, Spruce, Fir, and some Decid.
25	6123 - Lowland Fir	Poletimber Poor	13.0	44	1-50	About 35% canopy cover. Very poor stocking and very wet. Most of the canopy is in the southern half.
27	42110 - Planted Red Pine	Sawtimber Well	10.7	59	141-170	2011: ROW THIN. POOR STOCKING AND IRREGULAR ROWS IN PLACES. FOLLOW RETENTION GUIDE LINES. Third row thin completed 4/10/11- 54-010-10-01 RZ 2018: Looks like there was more than just a third row taken out. Basal Area 165. Possible final harvest next inventory cycle. JSP: Honeysuckle
31	429 - Mixed Upland Conifers	Sawtimber Well	28.4	126	81-110	RZ: Pockets with aspen in the stand. Southern edge has more of the large white pine. Slightly more wet to the NW part of the stand. Areas with less than 75% canopy in the stand. JSP: Stand is mostly upland east of dividing 2Trck and mainly low/seasonally low west of. West portion has an intermit water-course (travels W/SW), is very 'pit-moundy', has a healthy component of NWC/lowland conifers, and perimeter locals populated with legacy, 'superlegacy', and nearly legacy WP (especially the southern edge as RZ noted). East portion holds more of the RP component (fire origin & XL/Log), more aspen/oak present too. The stand as a whole features a good slug of structural and species diversity.
32	429 - Mixed Upland Conifers	Sapling Medium	1.8	22	51-80	RZ: Surrounding area around old homestead. Some areas are open in this stand and have red pine, white pine, and balsam fir growing in them now. JSP: Several pits in and around the area. One large 'mound' covered w/conifer saps present too. A combination of saps, poles, and logs throughout. More saps in the interior, pole clumps here and there, logs mainly near perimeter (some within).
35	4131 - Aspen, Oak	Poletimber Well	39.7	50	111-140	Paulus: IN SOME AREAS. DIAMETERS VARY QUITE A BIT. WEST SIDE OF STAND IS STEEP IN AREAS. JSP: 2-personalities. South of bottleneck has most of the oak. Oak is healthy, oak/pine left when stand was harvested ~50yrs ago. Estimated oak age, didn't core 4/27/18, oak wilt season. Aspen DBH's are quite small 4-6" in the south. Scattered pine present. Rx'ed northern area has reduced oak component, aspen is generally large pole/small log size (small DBH's present too), and scattered/clumped pine, more in western areas (at least 1-legacy). Invasive honeysuckle on perimeter near Std24&434. A bit concerned about its spread.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4132 - Aspen, Jack Pine	Sapling Poor	29.9	6	Immature	OPIC - FMD: clearcut, cut all trees except oak. Break-up mix 54-011-10-01 completed 6/25/2013. north half cut in summer of 2012 & south half in summer of 2013. areas will likely need replanting JSP: Only a small QA clone pocket in NE (~1.5-2ac) and some pin cherry/honeysuckle has regenerated above browse ht. Remaining low stocking of deciduous present is 1-3ft tall and has been Heavily browsed. Scattered, very low stock of JP sap volunteers observed. Scrub/hybrid oak is trying to regen is areas yet browse won't let it. Partial reason for poor regen success (to this point) also has to do with the parent stands mix of species that can be difficult to regenerate. Proximity to lowland thermal cover too (browse). Visited w/Harig 5/16/18.
37	4122 - Oak, Pine	Sawtimber Medium	7.9	98	51-80	JSP: On south a facing, somewhat steep, slope that bottoms out at Std234. Good views. Very little understory and moving toward an oak/pine savannah type setting. Past/present ORV/vehicle traffic has caused washout/erosion in areas. Agree with Polus mast comment below. OPIC - FMD: SMALL OAK AREA ADJACENT TO SWAMP. PROTECT FOR MAST PRODUCTION. CAMP SITE AT HILL TOP.
39	42290 - Natural Mixed Pine	Sawtimber Well	4.2	108	51-80	Tried to core several trees and couldn't get a good age. Most were around 108
41	42220 - Natural Jack Pine	Poletimber Well	6.9	46	81-110	Dense, mainly small pole JP stand. Unsure if natural or planted? Found 70's era wax paper comp map with this area as an A3 and Rx'ed with yellow diagonal lines (interplant JP?). More lowland conifer types (spruce, NWC, tamarack) of larger sizes (log) along what is the western and then northern boundary. Flowing offshoot(s) of Canada Creek abut western areas of this stand. OPIC - FMD: GOOD NATURAL REGENERATION NEAR WATER TABLE. NOT GREAT QUALITY. POR ACCESS.
42	6127 - Lowland Pine	Sawtimber Well	27.6	98	81-110	Paulus '08: INCLUDES NARROW RIDGE ADJACENT TO CANADA CREEK NO CUT! STAND HAS SWAMP CONIFER (TAMARACK, CEDAR, SPRUCE). NATURAL STAND. WET IN SPOTS. SOME JACK PINE. Krugh '18: Stand is lowland with a ridge/road running through it. The road is in poor condition and should be blocked off. This stand is very close to uneven age. JSP '18: On very transitional/sensitive ground, water table appears very close to surface. West access, far southern, and northern locales more upland. Access road north of small opening near Stds.44/45 in rough shape, agree w/Krugh to close. The opening just mentioned is prob old landing, now being used as a deer camp. Some impressive fire origin species in this stand.
43	6130 - Fir, Aspen, Maple	Poletimber Poor	4.1	46	1-50	Very wet site with soft ground.
44	4130 - Aspen	Sapling Medium	28.0	26	Immature	Variable stocking in the stand. Some pockets with no regen.
45	42220 - Natural Jack Pine	Sapling Well	16.2	26	Immature	Good stocking. More aspen on the east edge.
47	4125 - Black, N. Pin Oak	Sawtimber Poor	3.0	86	1-50	On the side of a hill that leads down to lowland. Good white pine understory coming in.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	6129 - Mixed Coniferous Lowland Forest	Sapling Well	3.4	44	1-50	JSP: Has appearance of being harvested in the past, stumps present. Mix of lowland conifer saps, some decid, scattered poles, and a strong alder component.
50	6124 - Lowland Spruce-Fir	Poletimber Medium	10.8	67	111-140	JSP: Blk Spruce DBH's were more stable (6-7") in western locals. More sap dominance in east. However, wet and sporadic stocking of poles throughout. 50-75% can closure of the dominant pole class.
51	42120 - Planted Jack Pine	Poletimber Well	20.5	42	81-110	JSP: Planted to JP in '78. N.W. and western locals quite heavy to WP pole/sap. The WP appears planted (maybe).
54	429 - Mixed Upland Conifers	Sawtimber Well	9.5	65	81-110	JSP: Stand located on transitional ground between planted J3 and lowland cedar. JP still in pretty good shape.
55	6122 - Black Spruce	Poletimber Well	9.7	60	51-80	OPIC - FMD: PIPE LINE THROUGH STAND. Wet, smaller diameters in middle of stands.
56	4130 - Aspen	Sapling Medium	46.8	14	Immature	RZ: Cut in 2004. Scattered red pine, white pine, and oak were left. The landing location and main skid trails have a large amount of Autumn Olive in them. Some of the areas did not grow back very well. Stocking is variable in the stand. JSP: Observed invasive honeysuckle during my visit to this stand. Decent WP seeds/saps establishing below residual parents. Some RP seeds/saps too.
58	42290 - Natural Mixed Pine	Sawtimber Poor	20.0	109	1-50	RZ: Very mixed stand, was not clean cut. Stocking and DBH vary greatly throughout stand. Two-aged stand. Less harvesting was done in the south end of the stand due to few large aspen and balsam fir. Northern half has less canopy cover and a higher amount of white pine understory. JSP: Agree with RZ. I split Std.28 out of this stand (58). Residual overstory left from past removal harvest (we think) has created a very good mix of species in the sap layer!
59	42330 - Upland Fir	Poletimber Well	13.0	66	81-110	Generally Up/w minor low Fir with QA corridor. Signs of a past removal harvest in areas (heavy sap decid and conifer on east bound). Variable BF/QA DBH's but generally smallest in north and gradually increase as you move south. Stem exclusion events in southern areas allowed more DBH growth. Scattered xlog/log/legacy WP and RP. Heavier WP saps, hawthorn, and invasive honeysuckle in far south & near old well pad. JP logs/snags in that area too. Blk spruce P/L along western boundary.
60	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	22.1	71	111-140	Chalked full of larger pole w/some log fir. Enough log size species present (>30%) to call log stand. Canopy closure on low side of 75-100. Ground is constantly transitioning from Up to Low & Low to Up. Slight depressions, prob seeps too, that hold water and some appear to be water courses given enough precip. NWC is clumpy/dominant in areas. Stand slopes downward toward Std.07, there is a prominent yet slight ridge along most of western boundary. Scat XLog/Log WP and some Log/Xlog RP. Xlog NWC too. Old skid trail/2-track travels N/S near west bound. Visited w/Harig 5/16/18, agreed w/2G S.C..



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
61	42200 - Natural White Pine	Poletimber Well	6.2	26	51-80	RZ: Southwest corner is where the aspen is mostly located. The majority of the stand is white pine dominated. JSP: Removal harvest went through at some point. A good mix of species, especially WP, regenerating in the understory.
62	42210 - Natural Red Pine	Sawtimber Poor	10.9	83	1-50	RZ: Appered to be two-aged. All understory trees were about the same age. Looks as if everything was cut except white pine, red pine, and oak. JSP: Large & Tall xlog/log/some legacy fire origin RP & WP. Variable stocking and canopy closure.
64	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	9.6	84	51-80	Unharvested during most recent Rx that occurred in Std56. Removal Rx did occur within this Std, ~50-55yrs ago based on ages of stump sprout RM (throughout) & pole/some log aspen (concentrated near old gas well opening). Left all oak/pine. Heavily dominated by tired StmpSprt hybrid oak, some large NRO that's in better shape. Lesser amount of RM/Aspen, scat WP, and minor components of the rest (trace BF, PB, saw 2-Whoak). Invasive Hsuckle & native hawthorn in perimeter locals, decent WP regen. Canopy closure varies. Visited w/Harig on 5/16/18.
65	42290 - Natural Mixed Pine	Sapling Medium	3.8	11	Immature	JSP: Visited while in the area. A little bit of everything go on in here. A mix of sapling, pole, log species, generally dominated by pine saps. Hawthorn & Honeysuckle in northern areas. Has appearance of an old landing, being previously harvested, perhaps areas planted with leftover JP from Std6 to south, and an opening now being reclaimed. Species provided above is a generalized listing. OPIC - FMD: converting to a "U" type with some jack pine and aspen encroachment.
66	4125 - Black, N. Pin Oak	Sawtimber Medium	8.9	74	51-80	RZ: 50-60% canopy cover. Some spots have lower stocking. Good understory of oak starting to come in. JSP: Hybrid oak and JP are beginning to look a bit "tired". Some N.Red Oak present and did see 3-pole whoaks (growing off of one cut stump). JP heavier in east, honeysuckle present along perimeter and in some interior locations. Stand 157 has a lot of suckle. Hawthorn along north perimeter and some interior locales. Very minimal overstory of RP&WP. Visited w/Harig 5/16/18.
67	6122 - Black Spruce	Sapling Poor	43.7	37	1-50	OPIC - FMD: HAS MANY AREAS OF SWAMP CONIFER.
69	6112 - Lowland Aspen	Sawtimber Medium	2.4	87	51-80	
70	4130 - Aspen	Sapling Well	8.6	26	Immature	Some red pine, white pine, and oak were left uncut. They are all about 14 inch DBH. Maybe 2-3 trees per acre.
71	6120 - Lowland Cedar	Sawtimber Medium	8.6	109	111-140	OPIC - FMD: OI Stand Year Origin was 1920
123	6112 - Lowland Aspen	Sapling Medium	8.4	26	Immature	Poor stocking level. Parts of stand have converted to tag alder. Canopy cover is close to 50%.
134	42220 - Natural Jack Pine	Poletimber Poor	5.9	45	81-110	

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 118
Year of Entry: 2020



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
234	6120 - Lowland Cedar	Sawtimber Well	336.8	99	111-140	



Stand	Cover Type	Acres	Managed Site	General Comments:
3	122 - Road/Parking Lot	1.9	No	OPIC - FMD: Milligan Hwy.
10	500 - Water	11.8	No	Black River
14	622 - Lowland Shrub	53.5	No	Canada Creek lowland shrub corridor. Portions with scattered lowland conifer and deciduous. OPIC - FMD: HAS MANY AREAS OF SWAMP CONIFER.
26	320 - Upland Shrub	14.1	No	OPIC - FMD: HEAVY SOIL, PROTECT SOME THORNAPPLE. Old farm field.
28	6229 - Mixed lowland shrub	0.8	No	Lowland shrub mix.
29	6230 - Cattail	5.3	No	A grassy, wet, water-coursed marsh with a limited component of tag alder. Lowland conifer types around the edge.
30	3104 - Degraded	6.0	No	OPIC - FMD: SLUDGE OR ASH DEPOSIT SITE, PREP FOR TREE PLANTING IN FUTURE. IN RECENT YEARS THIS AREA MAY HAVE BEEN USED TO COLLECT SAND FROM THE CANADA CREEK SAND TRAPS.
33	310 - Herbaceous Openland	0.3	No	Powerline ROW
40	122 - Road/Parking Lot	1.1	No	Co. Rd. 634.
46	622 - Lowland Shrub	2.6	No	Very wet flooding area.
52	122 - Road/Parking Lot	0.1	No	Co. Rd. 634.
53	3102 - Grass	13.0	No	
57	3102 - Grass	1.4	No	OPIC - FMD: A LOT OF OLD ILLEGAL O.R.V. ACTIVITY. SEEMS TO BE UNDER CONTROL.
63	622 - Lowland Shrub	37.6	No	Observed from edge on all sides. Some areas were very much forested with lowland conifer and deciduous types. Other areas with sporadic stocking, and a significant portion populated by lowland shrub types. Observed a lot dead ash.
68	622 - Lowland Shrub	4.8	No	Beaver flooding area.
112	622 - Lowland Shrub	1.1	No	Tomahawk Creek bottom corridor. Steeper slopes on either side. Get a running start when jumping across creek.



Stand	Cover Type	Acres	Managed Site	General Comments:
157	3303 - Mixed Low Density Trees	1.6	No	AK: Almost at the 25% mark. Autumn olive and Hawthorne scattered through JSP: Observed quite a bit of honeysuckle and a host of scattered sapling/pole conifer and deciduous species. OPIC - FMD: HIGHWAY R-O-W
429	3102 - Grass	9.5	No	OPIC - FMD: ROAD FRONTAGE. OLD ROAD BED THROUGH STAND.
431	3102 - Grass	1.8	Yes	OPIC - FMD: ABANDONED WELL SITE. WET IN SPOTS.
434	3102 - Grass	1.2	No	RZ: Opening from what looks to be an old haul road. Some red pine starting to seed in. JSP: Honeysuckle present, especially along western perimeter, extending into east bound of Std.35.
435	3102 - Grass	2.1	Yes	OPIC - FMD: NATURAL OPENING. SOME PINE ENCROCHING
436	3102 - Grass	1.6	Yes	OPIC - FMD: NATURAL OPENING. SOME PINE ENCROCHING
442	3102 - Grass	2.1	No	JSP '18: Pine species establishing along perimeter locales.
450	3102 - Grass	2.3	Yes	OPIC - FMD: ABANDONED WELL SITE.