



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54060

Entry Year 2021

Acreage: 2,900

County Montmorency

Management Area: Rattlesnake Hills

Revision Date: 2019-06-06

Stand Examiner: Richard Barber

Legal Description:

T32N, R1E, Sections 22, 23, 26, 27, 34 and 35

Identified Planning Goals:

Timber management, elk range management, water quality protection.

Soil and topography:

Generally flat with rolling hills, steep terrain exists in the north east portion of the compartment. Mostly well to excessively well drained sands in an out-wash plain. Organic soils in wetlands.

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

This compartment is one large block of contiguous state land. Private lands to the north and east are mainly Canada Creek Ranch or Black River Ranch. Smaller parcels are mostly hunt camps with a few year round residences in the east.

Unique Natural Features:

One or more have been reported.

Archeological, Historical, and Cultural Features:

None have been reported.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The East Branch of the Black River and a tributary from Foch Lake flow through the compartment.

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 elk and black bear. This compartment has a large wetland complex which provides essential habitat to species such as the eastern massasauga rattlesnake. Species which benefit from our management include elk, white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel operations are located nearby, but sand & gravel potential appears to be good within the compartment. There are wetlands in the area that would limit surface development. All state mineral rights in the compartment are currently leased and have been developed for the Antrim Shale. The compartment sits just south of the Niagaran reef trend, but no known reef potential beneath the compartment. There is low potential for additional future oil & gas development in this area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access ranges from good to excessively good.

Survey Needs:

A survey might be needed to prove trespass.

Recreational Facilities and Opportunities:

Trout fishing and camping appear to be the biggest draws.

Fire Protection:

Atlanta DNR and Vienna VFD provide coverage.

Additional Compartment Information:

The following reports from the Inventory are attached:

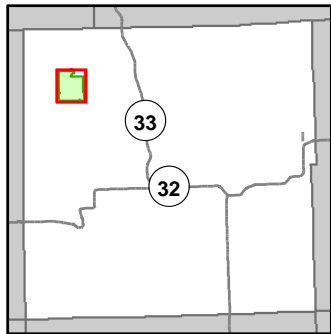
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

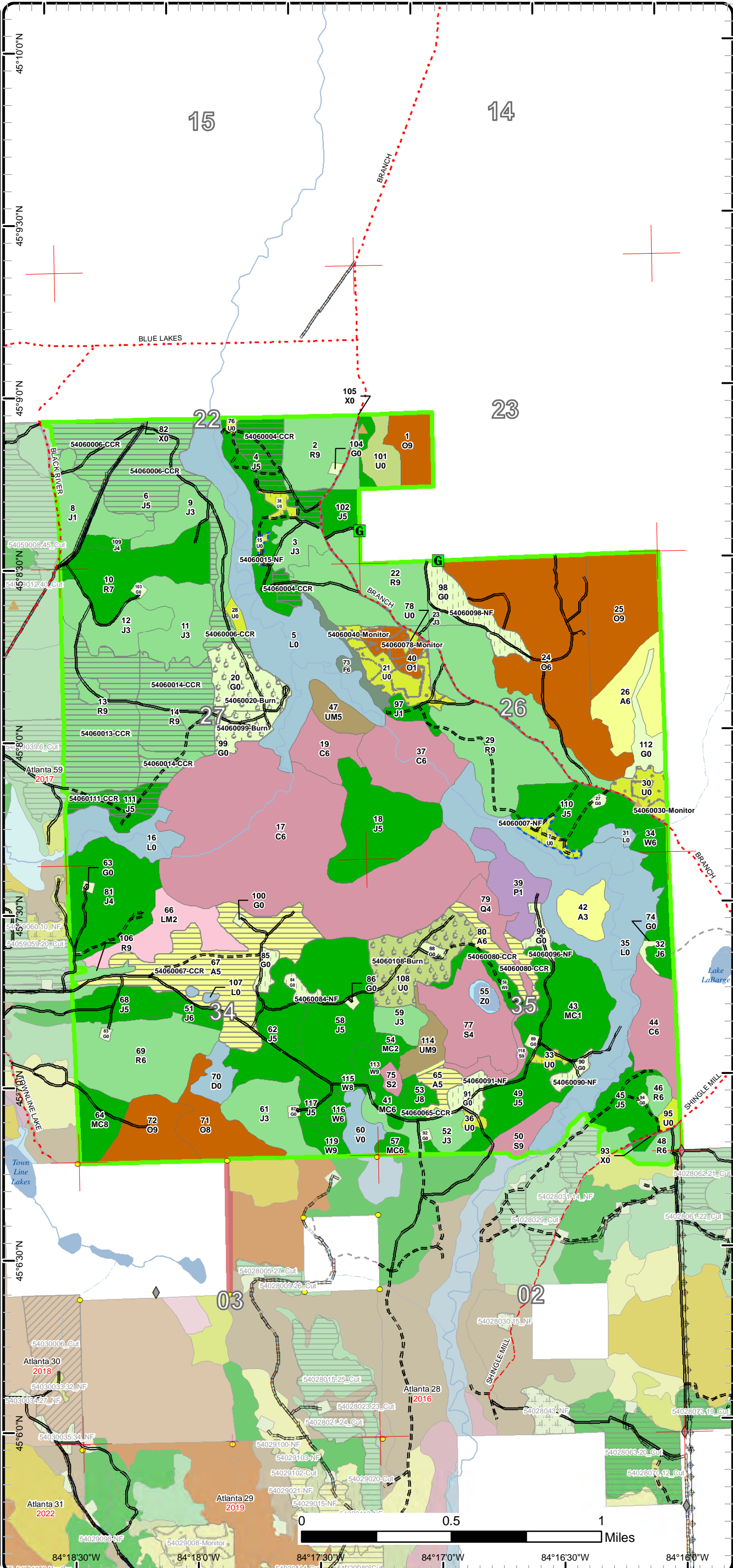
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 60
 T32N, R01E, Sec. 21-23, 26, 27, 34, 35
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Rattlesnake Hills
 YOE: 2021
 Acres: 2,900 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/10/2019
 Map Phase: Post-Review

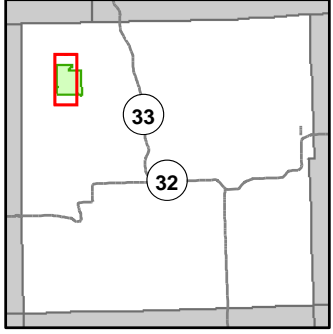


- Miris Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- · - · County - Gravel Road
- · - · County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Prescribed Burn
- Regeneration Survey
- Opening Maintenance
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

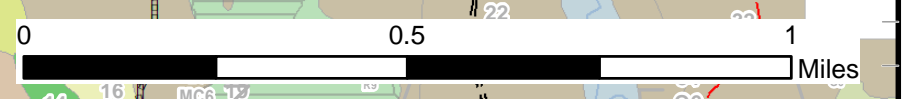
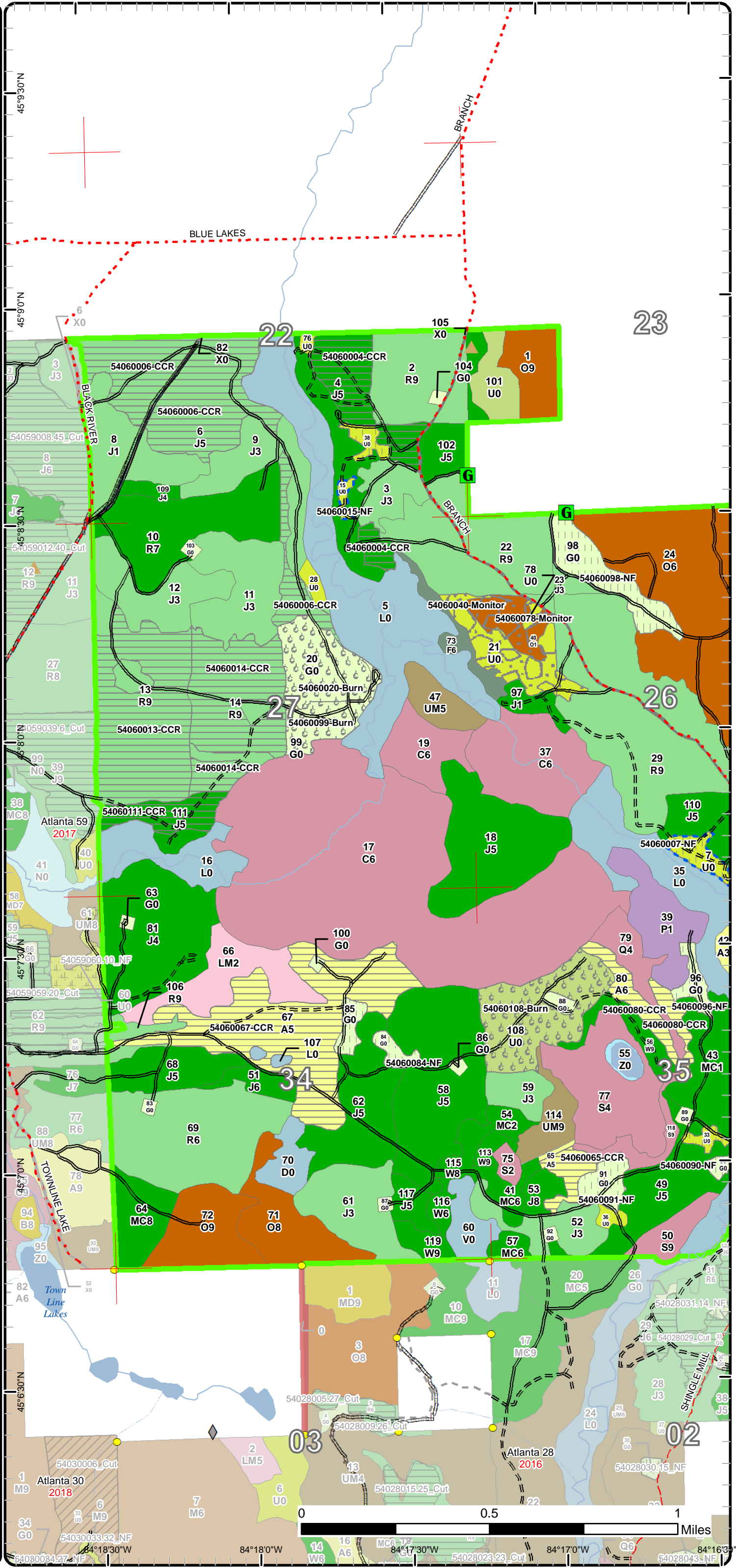


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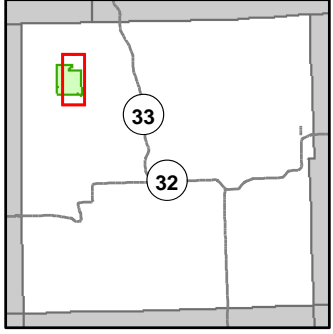
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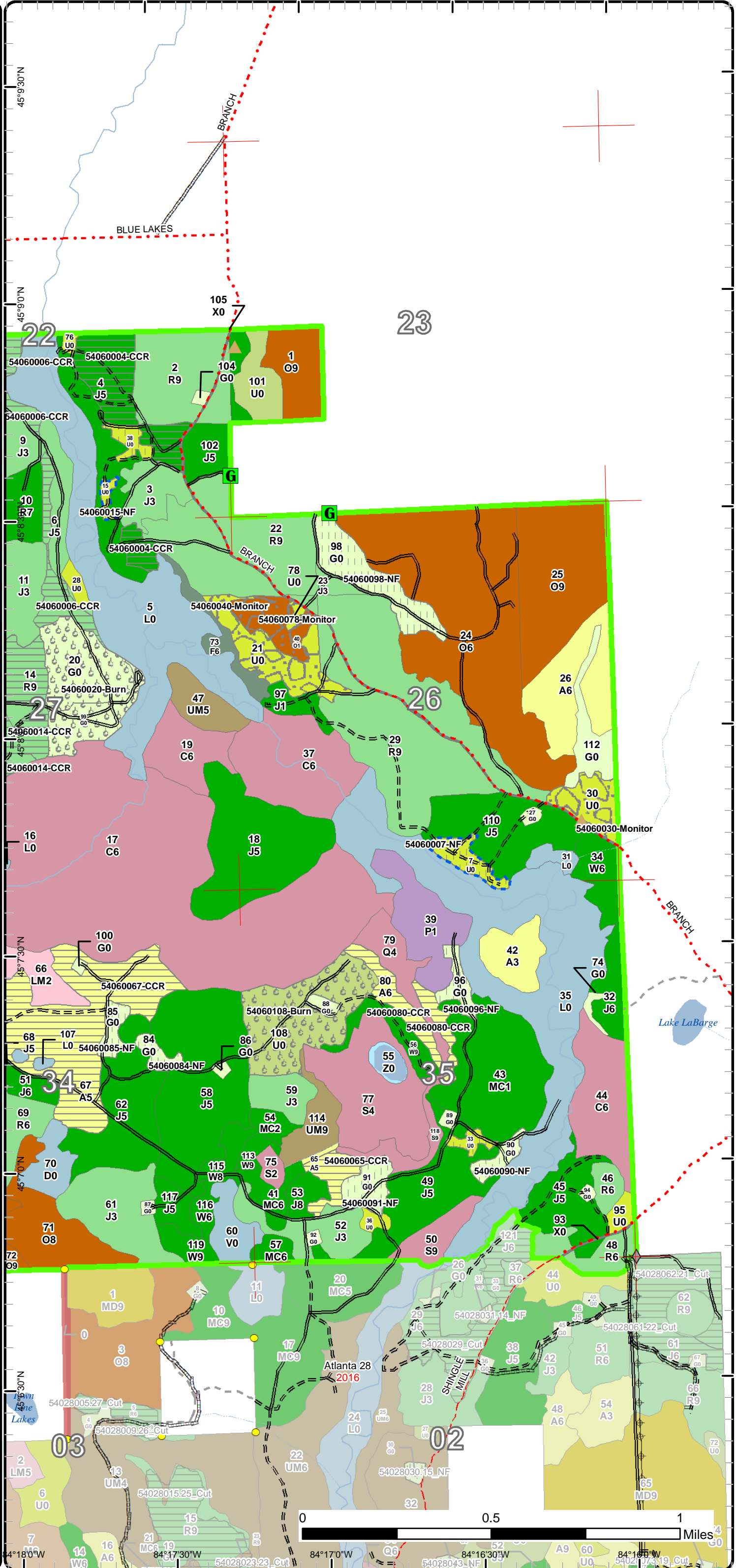
84°18'0"W 84°17'30"W 84°17'0"W 84°16'30"W

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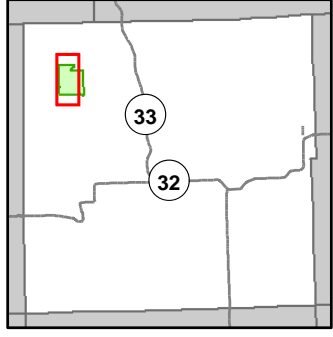


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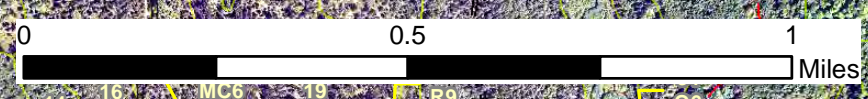
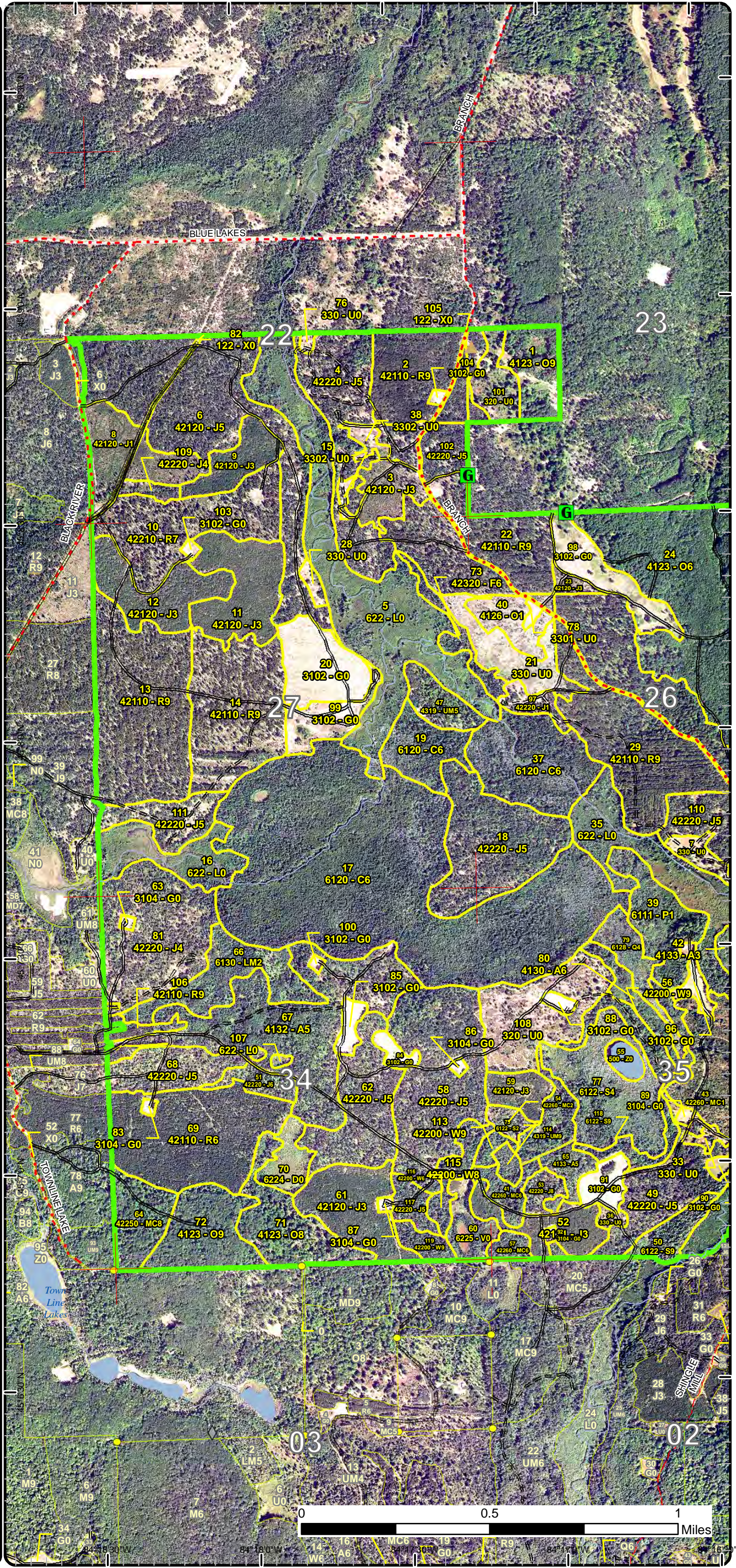


Stand Boundary Map

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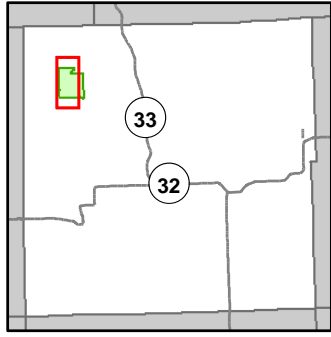


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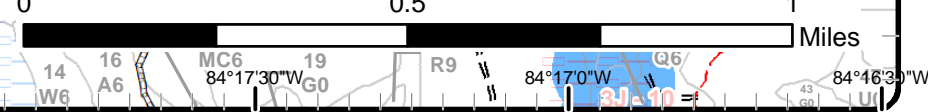
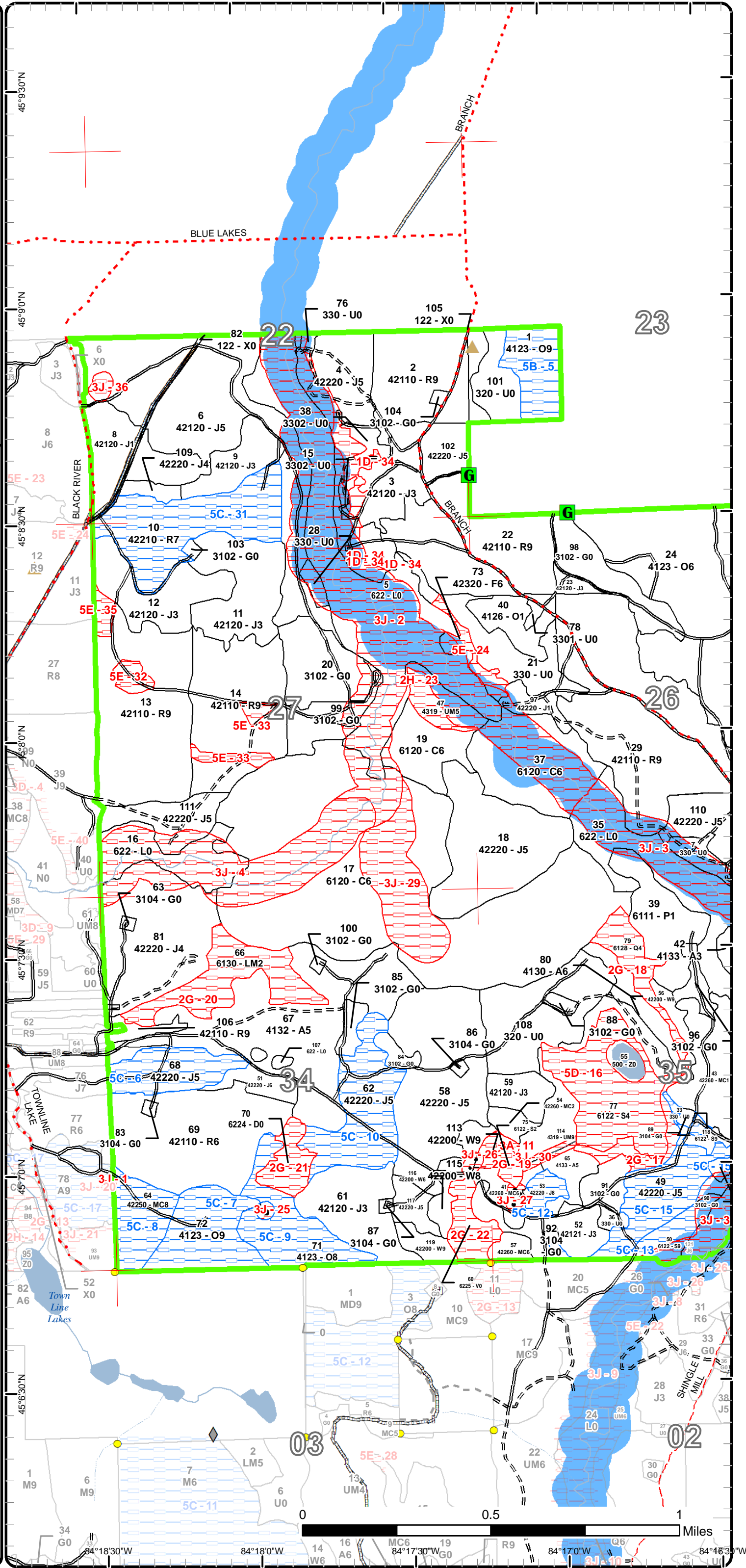


Special Conservation Areas & Site Conditions Map

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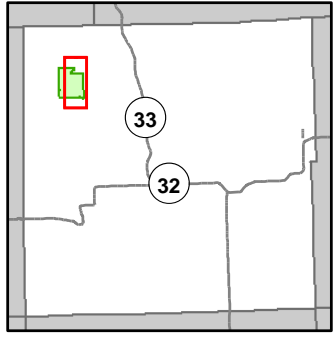


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1D: Interest Group / Neighbor
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool
- Other SCA (No Category Assigned)

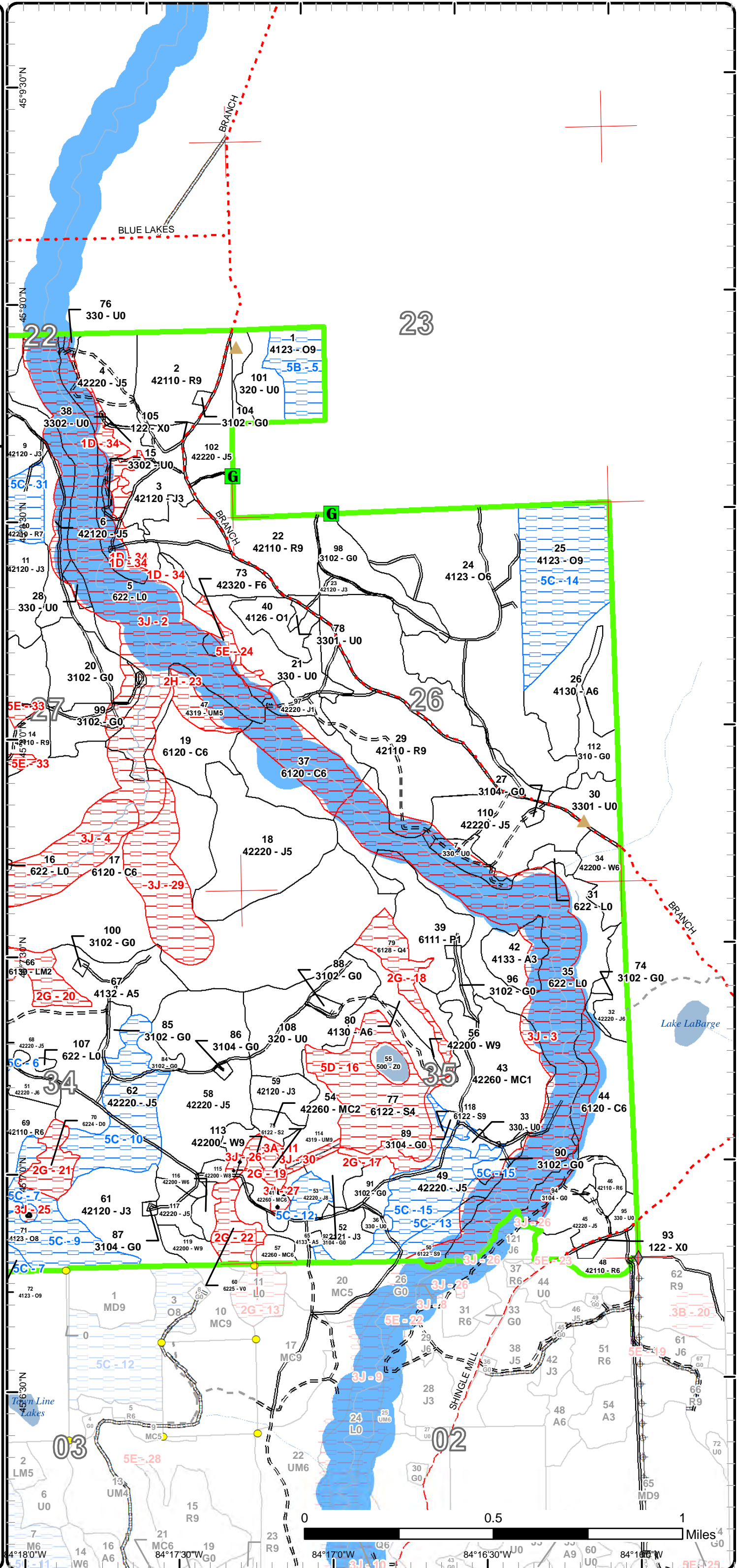


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- Stand Boundaries
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- Other SCA (No Category Assigned)



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	0	0	49	0	0	110	0	0	0	0	0	0	0	0	0	0	0	159
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	0	257	53	44	0	0	0	0	0	0	353
Herbaceous Openland	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Jack Pine	0	0	55	110	98	40	150	119	157	0	0	0	0	0	0	0	0	31	760
Low-Density Trees	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Lowland Aspen/Balsam Poplar	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Lowland Conifers	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Mixed Forest	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Shrub	276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	69
Natural Mixed Pines	0	0	52	5	0	5	0	0	0	0	0	20	0	0	0	0	0	9	91
Oak	0	13	0	0	0	128	0	0	0	0	78	62	0	0	0	0	0	0	281
Red Pine	0	0	0	0	66	0	57	176	109	79	0	0	0	0	0	0	0	0	487
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Mixed Forest	0	0	0	0	0	0	0	0	13	0	13	0	0	0	0	0	0	0	26
Upland Shrub	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Upland Spruce/Fir	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	24	0	0	14	0	4	4	0	0	0	0	0	0	46
Total	550	13	107	222	174	197	331	295	293	336	217	130	0	0	0	0	0	40	2904



Report 2 – Treatment Summary

Atlanta Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 60
Total Compartment Acres: 2,900

Commercial Harvest - 367
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	109	0	0	0	0	0	0	0	0	109
Jack Pine	133	0	0	0	0	0	0	0	0	133
Red Pine	125	0	0	0	0	0	0	0	0	125
Total	367	0	0	0	0	0	0	0	0	367

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	367	0	0	0	83	0	49	0	65	564
Next Step	0	15	15	0	207	29	257	0	0	523
Total	367	15	15	0	290	29	306	0	65	1087



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
4	54060004- CCR	32.6	42220 - Natural Jack Pine	Poetimber Medium	71	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be in cold water stream buffer. Leave all red pine, white pine, white oak and a few pockets of advanced regeneration. Whole tree skid for scarification, during snow-off conditions. Tops must be chipped within 60 days of severance from stump. Use 6" stump height.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Low or better stocking of aspen, oak, maple, jack pine, red pine, white pine, fir

Regen:

Other No operations, including parking, within the cold water buffer, which will be shown on sale map.

Comment:

Proposed Start Date: 10/1 /2020

6	54060006- CCR	86.1	42120 - Planted Jack Pine	Poetimber Medium	78	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be in cold water stream buffer. Whole tree skid for scarification, during snow-off conditions. Tops must be chipped within 60 days of severance from stump. Use 6" stump height.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Low or better stocking of aspen, oak, maple, jack pine, red pine, white pine, fir

Regen:

Other No operations, including parking, within the cold water buffer, which will be shown on sale map.

Comment:

Proposed Start Date: 10/1 /2020

7	54060007-NF	7.4	330 - Low-Density Trees	Nonstocked		Immatu re	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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Habitat Cut: No**Site Condition: BMPs**

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

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

13	54060013- CCR	71.0	42110 - Planted Red Pine	Sawtimber Well	81	141- 170	Harvest	Clearcut with Retention	310 - Herbaceous Openland		Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be in central portion of stands 13 and 14 combined.

Specs:

Next Step Burn, Opening

Treatments:

Acceptable grass, sedge, lichen, shrub.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
14	54060014-CCR	53.5	42110 - Planted Red Pine	Sawtimber Well	78	111-140	Harvest	Clearcut with Retention	310 - Herbaceous Openland		Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be in central portion of stands 13 and 14 combined.

Specs:

Next Step Burn, Opening

Treatments:

Acceptable grass, sedge, lichen, shrub.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

15	54060015-NF	1.8	3302 - Low Density Conifer Trees	Nonstocked		1-50	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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Habitat Cut: No**Site Condition: BMPs**

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

Specs: practices - within EMR restrictions

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

20	54060020-Burn	26.6	3102 - Grass	Nonstocked	0	Unspecified	Burn	Opening	320 - Upland Shrub		Approved Proposal
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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 - within EMR restrictions

Next Step Burn, Opening

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

21	54060021-Monitor	21.9	330 - Low-Density Trees	Nonstocked	0	Immature	Monitoring	Natural Regen (Intermediate)	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Look for trees.

Specs:

Next Step

Treatments:

Acceptable Red pine, Jack pine, oak.

Regen:

Other Plan B: Trench and plant red pine; site prep may require thermal, chemical or mechanical methods. Exclude areas of medium or higher oak

Comment: restocking. Site prep may require thermal, chemical or mechanical methods.

Proposed Start Date: 10/1 /2020



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
30	54060030-Monitor	12.7	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**Prescription Look for trees.Specs:Next StepTreatments:Acceptable Red pine, Jack pine, oak.Regen:Other Plan B: Trench and plant red pine; site prep may require thermal, chemical or mechanical methods. Exclude areas of medium or higher oak
Comment: restocking. Site prep may require thermal, chemical or mechanical methods.Proposed Start Date: 10/1 /2020

33	54060033-NF	2.8	330 - Low-Density Trees	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	330 - Low-Density Trees		Approved Proposal
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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 agricultureSpecs: practices - within EMR restrictionsNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2020

38	54060038-NF	4.0	3302 - Low Density Conifer Trees	Nonstocked	1-50		NonForestMgt	Herbaceous/Crop /Grass Planting	330 - Low-Density Trees		Approved Proposal
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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 agricultureSpecs: practices - within EMR restrictionsNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2020

40	54060040-Monitor	13.1	4126 - White, Black, N. Pin Oak	Sapling Poor	6	Immature	Monitoring	Natural Regen (Intermediate)	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**Prescription Look for trees.Specs:Next StepTreatments:Acceptable Red pine, Jack pine, oak.Regen:Other Plan B: Trench and plant red pine; site prep may require thermal, chemical or mechanical methods. Exclude areas of medium or higher oak
Comment: restocking. Site prep may require thermal, chemical or mechanical methods.Proposed Start Date: 10/1 /2020



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
65	54060065- CCR	8.0	4133 - Aspen, Mixed Pine	Poletimber Medium	53	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Retain one chain buffer on south side of stream at northwest edge of stand. Use grouse spec 5.2.4.7, 12" diameter fully merchantable tree, one
Specs: per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen, maple, spruce, fir, birch, jack pine, red pine, white pine, oak. Will accept low to medium regeneration.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

67	54060067- CCR	85.4	4132 - Aspen, Jack Pine	Poletimber Medium	56	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment around stand 107. Use grouse spec 5.2.4.7, 12" diameter fully merchantable tree, one per two acres.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen, maple, spruce, fir, birch, jack pine, red pine, white pine, oak. Will accept low to medium regeneration.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

78	54060078- Monitor	1.3	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Intermediate)	4319 - Mixed Upland Forest	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Look for trees.
Specs:

Next Step
Treatments:

Acceptable Red pine, Jack pine, oak.
Regen:

Other Plan B: Trench and plant red pine; site prep may require thermal, chemical or mechanical methods. Exclude areas of medium or higher oak
Comment: restocking. Site prep may require thermal, chemical or mechanical methods.

Proposed Start Date: 10/1 /2020

80	54060080- CCR	15.5	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the
Specs: treatment's species overall mix. Use grouse spec 5.2.4.7, 12" diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen, maple, spruce, fir, birch, jack pine, red pine, white pine, oak. Will accept low to medium regeneration.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020



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
84	54060084-NF	4.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal

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 - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

85	54060085-NF	4.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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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 - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

90	54060090-NF	4.7	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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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 - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

91	54060091-NF	8.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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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 - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020



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
96	54060096-NF	5.7	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal

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 - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

98	54060098-NF	21.3	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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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 practices - within EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

99	54060099- Burn	15.0	3102 - Grass	Nonstocked			Burn	Opening	320 - Upland Shrub		Approved Proposal
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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 practices - within EMR restrictions

Next Step Burn, Opening
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

108	54060108- Burn	41.1	320 - Upland Shrub	Nonstocked	44		Burn	Opening	330 - Low- Density Trees		Approved Proposal
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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 practices - within EMR restrictions

Next Step Burn, Opening
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020



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
111	54060111- CCR	14.7	42220 - Natural Jack Pine	Poletimber Medium	66	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No

Site Condition:

Prescription Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be in cold water stream buffer. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.

Next Step Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Planted red pine.

Regen:

Other Site prep may require thermal, chemical or mechanical methods.

Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment
Acreage Proposed: 563.9**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
2,900	1,999	313	588
	69%	11%	20%

Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions										
					5B	5C	1D	2G	2H	3A	3J	5D	5E	ed	
158	152	0	6	Aspen							6				
12	0	0	12	Bog				12							
354	246	0	109	Cedar							109				
118	110	0	8	Herbaceous Openland							8				
760	603	98	60	Jack Pine		98	9				50				
62	52	0	10	Low-Density Trees							10				
27	27	0	1	Lowland Aspen/Balsam Poplar							1				
14	0	0	14	Lowland Conifers				14							
31	0	0	31	Lowland Mixed Forest				31							
276	61	0	215	Lowland Shrub							215				
68	0	6	61	Lowland Spruce/Fir		6		12			5	45			
90	64	20	6	Natural Mixed Pines		20					6				
280	141	138	1	Oak	20	118					1				
487	420	50	17	Red Pine		50					3		14		
11	0	0	11	Treed Bog				11							
26	12	0	14	Upland Mixed Forest					7		8				
55	55	0	0	Upland Shrub											
10	2	0	7	Upland Spruce/Fir							2		5		
9	9	0	0	Urban											
5	5	0	0	Water											
46	41	0	5	White Pine						3	1			0	
2,900	1,999	313	588	Total Forested Acres	20	293	9	80	7	3	425	45	19	0	
	69%	11%	20%	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)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	171	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 m cold water stream buffer.							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	142	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 m cold water stream buffer.							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 m cold water stream buffer.							
5	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Unique stand of large white pine and red pine.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5D: Unproductive Forest Land	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: vernal pond and buffer.							
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Unique stand of large white pine and red pine. Vernal ponds and buffer.							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Vernal pond complex.							
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water stream.							
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: one chain buffer on free flowing stream.							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 60
Year of Entry: 2021

32	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	1D: Interest Group / Neighbor	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Requested by trout stream users.							
35	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: vernal pond and buffer							
37	Unspecified	Unspecified	0				
Comments:							



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
Frog Holler 1 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 2 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 3 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 4 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 4 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 5 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 6 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0
Frog Holler 7 Comments	Spring Wetlands Riparian Area	Vernal Pool	Error	0



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	4123 - Red Oak	Sawtimber Well	20.2	95	1-50	N/A	Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Oldest cuts are 100% red maple. new cut is mostly Aspen, browsed at 2 to 5 feet.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Red Oak		90	Log	14	95	Red Maple		Medium	10 - 20 feet	Sapling
Red Maple		8	Log/Pole	12		Bigtooth Aspen		Low	5 - 10 feet	Sapling
2	42110 - Planted Red Pine	Sawtimber Well	38.1	59	81-110	N/A	PLANTED IN 49 AND 61 TO RED PINE. 1/2 TO 1/3 LIVE CROWN.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	
Red Pine		70	Log	12	59	Red Pine	Low	>20 feet	Sapling	
Jack Pine		30	Pole	7						
3	42120 - Planted Jack Pine	Sapling Well	14.5	13	Immature	N/A	OPIC - FMD: Cut 2005 Sale 54-013-01-01. FTP C54-827.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		98	Sapling	2	13					
4	42220 - Natural Jack Pine	Poletimber Medium	56.0	71	51-80	N/A	FULL OF CAMP SITES FOR TROUT FISHING. Areas of better stocking. Open areas. Wildfire in the late 90's.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species		Density	Avg. Height	Size
Jack Pine		100	Pole/Log	9	71	Jack Pine		High	5 - 10 feet	Sapling
						Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
5	622 - Lowland Shrub	Nonstocked	106.2	99		No	OPIC - FMD: East branch of the Black River. tag alder.			
6	42120 - Planted Jack Pine	Poletimber Medium	101.3	78	1-50	N/A	OPIC - FMD: J4R4J2. RED PINE IS 3/4 LIVE CROWN. PART OF STAND WAS STUNTED AT SOME POINT. JACK PINE UNDERSTORY IS 20 TO 40 YEARS OLD AND APPEARS TO BE GERMINATING FROM NON-SERRROTINOUS SEED SOURCE AND/OR OCCATIONAL FIRES. LET JACK PINE MATURE. North half of stand was seeded from helicopter in 1977. vernal pond with happy frogs present.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		80	Pole	8	78					
Red Pine		20	Log	12						
7	330 - Low-Density Trees	Nonstocked	7.4		Immature	No	LOTS OF SCRUFFY JACK PINE. Fish camps. 30+ year old jack pine, open areas of G.			
8	42120 - Planted Jack Pine	Sapling Poor	29.2	13	Immature	N/A	Cut 2003, sale 007-01, seeded May, 2006, FTP C54-740.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		100	Sapling	1	13					
9	42120 - Planted Jack Pine	Sapling Well	16.4	27	Immature	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		100	Sapling	3	27					
10	42210 - Natural Red Pine	Sawtimber Poor	50.3	78	81-110	N/A	Cut 2005. Sale 54-013-01-01. Jack pine was removed.			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size	
Red Pine		100	Log/Pole	11	78	Red Pine	Trace	Variable	Sapling	
						Jack Pine	Low	5 - 10 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
11	42120 - Planted Jack Pine	Sapling Well	34.9	26	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	3	26				
12	42120 - Planted Jack Pine	Sapling Well	28.7	29	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	3	29				
13	42110 - Planted Red Pine	Sawtimber Well	78.9	81	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log	13	81	Jack Pine	Medium	10 - 20 feet	Sapling
14	42110 - Planted Red Pine	Sawtimber Well	59.4	78	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole	12	78	Jack Pine	Medium	5 - 10 feet	Sapling
15	3302 - Low Density Conifer Trees	Nonstocked	1.8		1-50	Managed Opening	filling in with jack pine.		
16	622 - Lowland Shrub	Nonstocked	26.0			No	tag alder		
17	6120 - Lowland Cedar	Poletimber Well	256.5	89	81-110	N/A	Large stand of swamp conifer, road built in past to access timber, needs to be closed again. Road drives through tributary of East Branch Black River.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Tamarack		25	Log/Pole	12		Black Spruce	Medium	10 - 20 feet	Sapling
Black Spruce		15	Pole/Log	9		Balsam Fir	High	>20 feet	Sapling
Northern White Cedar		60	Pole/Log	9	89	Tag Alder	High	10 - 20 feet	Tall Shrub
18	42220 - Natural Jack Pine	Poletimber Medium	54.7	38	51-80	N/A	OPIC - FMD: Access is through stand 17, this trail should be closed. If you find an air dam, its for a 2002 Chevy truck.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		71	Pole	5	38	White Pine	Medium	Variable	Sapling
White Pine		20	Pole/Log	8		Cherry (spp.)	Medium	10 - 20 feet	Sapling
19	6120 - Lowland Cedar	Poletimber Well	20.4	98	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar		50	Log/Pole	11	98	Balsam Fir	High	10 - 20 feet	Sapling
Tamarack		43	Pole/Log	9		Tag Alder	High	10 - 20 feet	Tall Shrub
20	3102 - Grass	Nonstocked	26.6	0	Unspecified	Managed Opening			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
21	330 - Low-Density Trees	Nonstocked	21.9	0	Immature	4222 - Natural Jack Pine	Sale 54-057-011, completed 9-28-2016. Variance approved January 25, 2017. Acceptable regeneration is any combination of oak, jack pine, or red pine, resulting in a medium or well stocked stand. Plan B: Trench and plant red pine. Retention was left along the Influence zones.			
22	42110 - Planted Red Pine	Sawtimber Well	60.6	69	111-140	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Red Pine	100	Log	11	69	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
							Jack Pine	Low	10 - 20 feet	Sapling
							White Oak	Low	5 - 10 feet	Sapling
23	42120 - Planted Jack Pine	Sapling Well	4.9	18	Immature	N/A	Cut 2005 Sale 54-013-01-01.			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Jack Pine	90	Sapling	2	18				
		White Oak	10	Sapling	1					
24	4123 - Red Oak	Poletimber Well	127.6	45	51-80	N/A	OPIC - FMD: Larger trees on the slopes. Red maple saplings and poles, thick in areas. Red and white oak in the overstory. Steep slopes, care should be taken when operations begin. Canada Creek used the trail into stand for a timbersale on their property, some erosion exists.			
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Red Oak	60	Pole	7	45	Red Maple	Full	>20 feet	Sapling
		Bigtooth Aspen	24	Pole/Log	9					
		Red Maple	14	Pole	5					
25	4123 - Red Oak	Sawtimber Well	57.3	98	81-110	N/A	OPIC - FMD: Steep slopes. Some areas of mature aspen (west side of stand).			
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Red Oak	50	Log/Pole	10	98	Red Maple	Low	10 - 20 feet	Sapling
		Black/Red (Hybrid) Oak	20	Pole/Log	9					
		Bigtooth Aspen	25	Log	13					
26	4130 - Aspen	Poletimber Well	33.8	27	1-50	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
		Bigtooth Aspen	65	Pole	5	27	Red Maple	High	>20 feet	Sapling
		Red Maple	25	Sapling	3					
		Black/Red (Hybrid) Oak	10	Sapling/Pole	4					
27	3104 - Degraded	Nonstocked	1.3		Immature	No	Gas well site.			
28	330 - Low-Density Trees	Nonstocked	2.9		1-50	No	NATURAL STAND. Filling in with jack pine.			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
29	42110 - Planted Red Pine	Sawtimber Well	108.3	69	81-110	N/A																																		
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30	3301 - Low Density Deciduous Trees	Nonstocked	12.7	0	Unspecified	4222 - Natural Jack Pine	low density oak. Sale 54-057-011, completed 9-28-2016. Variance approved January 25, 2017. Acceptable regeneration is any combination of oak, jack pine, or red pine, resulting in a medium or well stocked stand. Plan B: Trench and plant red pine.																																	
31	622 - Lowland Shrub	Nonstocked	4.1			No																																		
32	42220 - Natural Jack Pine	Poletimber Well	11.6	45	51-80	N/A	Access through private.																																	
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33	330 - Low-Density Trees	Nonstocked	2.8			No	scattered Jack pine																																	
34	42200 - Natural White Pine	Poletimber Well	13.8	45	1-50	N/A																																		
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35	622 - Lowland Shrub	Nonstocked	137.7	99	Immature	No	OPIC - FMD: East Branch of the Black River.																																	
36	330 - Low-Density Trees	Nonstocked	2.3		Immature	No	scattered shrubby Jack pine and cherry brush.																																	
37	6120 - Lowland Cedar	Poletimber Well	44.4	109	111-140	N/A	OPIC - FMD: East Branch of the Black River.																																	
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38	3302 - Low Density Conifer Trees	Nonstocked	4.0		1-50	Managed Opening	filling in with jack pine.																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
39	6111 - Lowland Balsam Poplar	Sapling Poor	27.2	26	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Poplar		95	Sapling	3	26	Tag Alder	High	10 - 20 feet	Tall Shrub
40	4126 - White, Black, N. Pin Oak	Sapling Poor	13.1	6	Immature	N/A	Sale 54-057-011, completed 9-28-2016. Variance approved January 25, 2017. Acceptable regeneration is any combination of oak, jack pine, or red pine, resulting in a medium or well stocked stand. Plan B: Trench and plant red pine. Retention was left along the Influence zones. re		
Canopy Species		% Cover	Size Class	DBH	Age				
White Oak		90	Sapling	1	6				
41	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	8.9	44	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		40	Pole	9		White Pine	Medium	>20 feet	Sapling
White Pine		52	Pole/Log	9	44				
42	4133 - Aspen, Mixed Pine	Sapling Well	14.9	26	1-50	N/A	ISLAND OF HIGH GROUND.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		20	Sapling/Pole	4		White Pine	Low	10 - 20 feet	Sapling
Red Pine		10	Log	14		Jack Pine	Low	Variable	Sapling
Pin Cherry		15	Sapling	3		Cherry (spp.)	Medium	10 - 20 feet	Sapling
Jack Pine		10	Sapling	2					
Quaking Aspen		40	Sapling	3	26				
43	42260 - Natural Pine, Mixed Deciduous	Sapling Poor	51.8	13	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Pin Cherry		40	Sapling	2		Pin Cherry	Medium	5 - 10 feet	Sapling
Jack Pine		55	Sapling	2	13				
44	6120 - Lowland Cedar	Poletimber Well	32.9	92	51-80	N/A	East Branch of the Black River.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar		70	Log/Pole	10	92	Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce		30	Pole	8					
45	42220 - Natural Jack Pine	Poletimber Medium	23.7	45	1-50	N/A	DISKED BY CANADIAN TRENCHER IN 1977. SEVERAL TROUT FISHING CAMPS.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		95	Pole/Sapling	6	45	Cherry (spp.)	Medium	5 - 10 feet	Sapling
46	42110 - Planted Red Pine	Poletimber Well	5.6	59	111-140	N/A	Removed jack pine and third row thinned red pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Pole/Log	9	59				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
47	4319 - Mixed Upland Forest	Poletimber Medium	13.0	98	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple		43	Pole/Log	9		Cherry (spp.)	Medium	10 - 20 feet	Sapling
Jack Pine		55	Pole/Log	9	98	Jack Pine	Low	5 - 10 feet	Sapling
						White Pine	Low	10 - 20 feet	Sapling
48	42110 - Planted Red Pine	Poletimber Well	13.2	59	111-140	N/A	part of this is an old airport runway. Received Variance to Treat stand with 54-009-06-01 Shingle Shell Pine. Setup with stand adjacent to the south. Stand thinned in winter 2009. Part of Shingle Shell Pine 54-009-06-01.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Pole/Log	9	59				
49	42220 - Natural Jack Pine	Poletimber Medium	34.8	63	51-80	N/A	red pine tends to be on west half of stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		90	Pole	7	63	Jack Pine	Medium	10 - 20 feet	Sapling
Red Pine		10	Log	16		White Pine	Medium	>20 feet	Sapling
50	6122 - Black Spruce	Sawtimber Well	11.2	99	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		25	Log/Pole	10		Balsam Fir	High	>20 feet	Sapling
Black Spruce		60	Log	13	99	Tag Alder	High	10 - 20 feet	Tall Shrub
Balsam Fir		12	Pole	7					
51	42220 - Natural Jack Pine	Poletimber Well	8.0	33	Immature	N/A	some red pine on south edge, appears to be a failed plantation.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		65	Pole	7	33	White Pine	Medium	5 - 10 feet	Sapling
Red Pine		25	Pole	8					
52	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	18.9	24	Immature	N/A	SEEDED 1995.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		80	Sapling	2	24	Cherry (spp.)	Medium	5 - 10 feet	Sapling
Pin Cherry		20	Sapling	2					
53	42220 - Natural Jack Pine	Sawtimber Medium	6.1	62	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		10	Pole/Log	9		White Pine	Medium	10 - 20 feet	Sapling
Jack Pine		90	Log/Pole	10	62	Cherry (spp.)	Medium	>20 feet	Sapling
54	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	4.8	25	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		50	Sapling	3	25	Cherry (spp.)	Medium	5 - 10 feet	Sapling
Quaking Aspen		30	Sapling	3		White Pine	Medium	5 - 10 feet	Sapling
Jack Pine		20	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
55	500 - Water	Nonstocked	5.0			No																																	
56	42200 - Natural White Pine	Sawtimber Well	10.6	49	51-80	N/A	Ridge top.																																
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58	42220 - Natural Jack Pine	Poletimber Medium	67.2	52	51-80	N/A	JP seed dropped from helicopter in 1977. Would be in SENE section 34. At least one legacy white pine present.																																
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59	42120 - Planted Jack Pine	Sapling Well	10.8	24	Immature	N/A	SEEDED 1995. numerous open areas of low density trees.																																
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60	6225 - Bog	Nonstocked	12.0			No	OPIC - FMD: OI Stand Year Origin was																																
61	42120 - Planted Jack Pine	Sapling Well	31.4	24	Immature	N/A	SEEDED 1995																																
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62	42220 - Natural Jack Pine	Poletimber Medium	38.3	63	51-80	N/A																																	
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63	3104 - Degraded	Nonstocked	0.8			No	Gas well pad.																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
64	42250 - Pine, Oak	Sawtimber Medium	20.2	109	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		61	Log/XLog	16	109	Red Maple	Full	>20 feet	Sapling
Red Oak		31	Log	15		White Pine	Medium	>20 feet	Sapling
65	4133 - Aspen, Mixed Pine	Poletimber Medium	8.8	53	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		70	Pole/Log	9	53	White Pine	Medium	10 - 20 feet	Sapling
White Pine		10	Log	11					
Balsam Fir		10	Pole/Log	9					
Jack Pine		10	Pole	8					
66	6130 - Fir, Aspen, Maple	Sapling Medium	30.7	26	Immature	N/A	OPIC - FMD: Pockets of L		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir		45	Sapling	2		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Poplar		55	Sapling/Pole	4	26				
67	4132 - Aspen, Jack Pine	Poletimber Medium	85.4	56	51-80	N/A	COUPLE POCKETS OF W8, some areas with more aspen. JP seed dropped from helicopter in 1977.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		63	Pole/Log	8	56	Cherry (spp.)	Medium	10 - 20 feet	Sapling
Jack Pine		30	Pole/Log	9		White Pine	Medium	>20 feet	Sapling
						Jack Pine	Low	Variable	Sapling
68	42220 - Natural Jack Pine	Poletimber Medium	21.5	63	1-50	N/A	Fringe has red pine. Pockets of dense JP but a lot of upland brush. JP seed dropped from helicopter in 1977?		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		82	Pole	7	63	Jack Pine	High	Variable	Sapling
Quaking Aspen		10	Pole/Log	9		White Pine	Medium	Variable	Sapling
						Cherry (spp.)	High	5 - 10 feet	Sapling
69	42110 - Planted Red Pine	Poletimber Well	65.7	33	111-140	N/A	seems to be slow growing.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		95	Pole	7	33	Cherry (spp.)	Medium	5 - 10 feet	Sapling
70	6224 - Treed Bog	Nonstocked	11.0			No	appears to be scattered 5-10 foot white pine on hummocks.		
71	4123 - Red Oak	Sawtimber Medium	31.1	109	1-50	N/A	red maple well browsed.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Oak		96	Log/XLog	17	109	White Pine	High	>20 feet	Sapling
						Red Maple	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
72	4123 - Red Oak	Sawtimber Well	31.0	109	81-110	N/A																																	
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73	42320 - Upland Spruce	Poletimber Well	9.6	35	51-80	N/A																																	
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74	3102 - Grass	Nonstocked	1.6		Immature	No																																	
75	6122 - Black Spruce	Sapling Medium	3.5	99	1-50	N/A																																	
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76	330 - Low-Density Trees	Nonstocked	1.2	0		No																																	
77	6122 - Black Spruce	Poletimber Poor	44.6	99	1-50	N/A	spruce bog																																
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78	3301 - Low Density Deciduous Trees	Nonstocked	1.3	0	Unspecified	4222 - Natural Jack Pine	Sale 54-057-011, completed 9-28-2016. Variance approved January 25, 2017. Acceptable regeneration is any combination of oak, jack pine, or red pine, resulting in a medium or well stocked stand. Plan B: Trench and plant red pine. Retention was left along the Influence zones.																																
79	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	14.4	54	51-80	N/A	Very wet. Was an ash stand. Now a mishmash of emergent wetland, tag alder, balsam poplar, and a cedar/spruce mix at the north end.																																
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80	4130 - Aspen	Poletimber Well	15.5	54	51-80	N/A	Drops off to wetter soils.																																
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81	42220 - Natural Jack Pine	Poletimber Poor	59.0	50	1-50	N/A	LOTS OF SCRUFFY JACK PINE. Large upland brush area, contains Jack pine, aspen, red maple, cherry and some white pine.																								
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82	122 - Road/Parking Lot	Nonstocked	2.0			No																									
83	3104 - Degraded	Nonstocked	0.9			No	Gas well pad.																								
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88	3102 - Grass	Nonstocked	2.2			No	Maintained opening.																								
89	3104 - Degraded	Nonstocked	1.1			No	Gas well pad																								
90	3102 - Grass	Nonstocked	4.7			Managed Opening																									
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92	3104 - Degraded	Nonstocked	0.9			No	Gas well pad.																								
93	122 - Road/Parking Lot	Nonstocked	0.8			No	Shingle Mill Road, south east side																								
94	3104 - Degraded	Nonstocked	0.9		Immature	No	Gas well pad.																								
95	330 - Low-Density Trees	Nonstocked	3.6			4212 - Planted Jack Pine	planted stand. did not go well. current age is 20 years. former airport runway.																								
96	3102 - Grass	Nonstocked	5.7			Managed Opening	Gas well																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																						
97	42220 - Natural Jack Pine	Sapling Poor	7.0	15	Immature	N/A	NATURAL STAND. (still) Filling in with jack pine.																						
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98	3102 - Grass	Nonstocked	21.3			Managed Opening	MAINTAINED (Portions) OPENING. Scattered oak, several fenced in areas, proposed gas pad. Spotted knapweed along trails.																						
99	3102 - Grass	Nonstocked	15.0			Managed Opening																							
100	3102 - Grass	Nonstocked	0.8			No	Gas well pad.																						
101	320 - Upland Shrub	Nonstocked	13.6			No	NATURAL STAND. TENDING TO BE BRACKEN FERN AND SWEET FERN. Lots of cherry brush. Scattered Jack pine and a dominant pack of wolfy black oak.																						
102	42220 - Natural Jack Pine	Poletimber Medium	15.9	54	51-80	N/A																							
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103	3102 - Grass	Nonstocked	1.1			No	Inactive Gas well pad.																						
104	3102 - Grass	Nonstocked	0.9	0		No																							
105	122 - Road/Parking Lot	Nonstocked	6.7			No	OPIC - FMD: East Branch Road, east side																						
106	42110 - Planted Red Pine	Sawtimber Well	7.1	64	141-170	N/A	Received variance to create this stand from Stand 68 and third row thin stand with Comp 59 St 54. Stand was thinned in fall/winter 2009. 54-003-07-01																						
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107	622 - Lowland Shrub	Nonstocked	1.7			No	OPIC - FMD: OI Stand Year Origin was																						
108	320 - Upland Shrub	Nonstocked	41.1	44		Managed Opening	Scattered log size jack pine. Lots of cherry brush. prescribed burn in recent past.																						
109	42220 - Natural Jack Pine	Poletimber Poor	4.1	41	1-50	N/A	41 years for dominant stems, other stems somewhat younger.																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
110	42220 - Natural Jack Pine	Poletimber Medium	35.7	38	1-50	N/A	younger Jack pine present as well.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		95	Pole	7	38	White Oak	Medium	5 - 10 feet	Sapling
						Jack Pine	High	10 - 20 feet	Sapling
111	42220 - Natural Jack Pine	Poletimber Medium	18.3	66	51-80	N/A	Filling in with jack pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Pole	9	66				
112	310 - Herbaceous Openland	Nonstocked	12.8			Managed Opening	OPIC - FMD: White pine, red pine, scattered oak, sweet fern. Filling in real good. Elk activity.		
113	42200 - Natural White Pine	Sawtimber Well	3.7	99	171-200	N/A	many 2-3' diameter white pine and red pine. white-cedar clump on north edge. 24" DBH white-cedar.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		89	XLog	24	99	White Pine	High	>20 feet	Sapling
Red Pine		10	XLog	20		Red Maple	Low	>20 feet	Sapling
114	4319 - Mixed Upland Forest	Sawtimber Well	13.0	74	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		52	Log/Pole/XLog	17	74	White Pine	Medium	10 - 20 feet	Sapling
Red Maple		30	Pole	9		Balsam Fir	Low	10 - 20 feet	Sapling
Quaking Aspen		15	Log/Pole	10					
115	42200 - Natural White Pine	Sawtimber Medium	7.2	75	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		30	Pole	7		White Pine	Medium	>20 feet	Sapling
White Pine		65	Log/Pole	12	75	Jack Pine	Medium	Variable	Sapling
116	42200 - Natural White Pine	Poletimber Well	4.2	103	51-80	N/A	legacy white pine present along east edge of stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		7	Pole	7	52	White Pine	High	>20 feet	Sapling
White Pine		88	Pole/Log/XLog	9	103	Jack Pine	Low	Variable	Sapling
117	42220 - Natural Jack Pine	Poletimber Medium	7.6	52	51-80	N/A	JP seed dropped from helicopter in 1977. Would be in SENE section 34. At least one legacy white pine present.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Jack Pine		65	Pole	7	52	White Pine	Medium	>20 feet	Sapling
White Pine		10	Log	14		Jack Pine	Medium	Variable	Sapling
Red Pine		20	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
118	6122 - Black Spruce	Sawtimber Well	8.4	99	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole	9		Tag Alder	High	10 - 20 feet	Tall Shrub
Quaking Aspen		15	Log/Pole	12		Balsam Fir	High	10 - 20 feet	Sapling
Black Spruce		56	Log	14	99				
119	42200 - Natural White Pine	Sawtimber Well	6.6	79	81-110	N/A	numerous legacy class white pine and red pine		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
White Pine		80	Log/XLog/Pole	14	79	White Pine	High	10 - 20 feet	Sapling
Red Pine		10	XLog/Log	18					
Jack Pine		10	Pole	9					