



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54042

Entry Year 2022

Acreage: 1,615

County Montmorency

Management Area: Rattlesnake Hills

Revision Date: 2020-05-19

Stand Examiner: Richard Barber

Legal Description:

T31N, R2E, Sec. 19, 30 & 31

Identified Planning Goals:

Hardwood and aspen management, plus protection of Green Swamp.

Soil and topography:

Excluding the Green Swamp, the compartment is typically steep, PARVVb, or AFO. Uplands are often hilly, with steep slopes present.

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

Surrounding ownership is mostly other state land, except to the south which is mixed hunting land and farms.

Unique Natural Features:

One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features:

None Reported.

Special Management Designations or Considerations:

Green Swamp ERA, rare species management.

Watershed and Fisheries Considerations:

Packer Creek is a cold water stream.

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 also contains the Green Swamp ERA, which provides essential habitat to species such as the eastern massasauga rattlesnake. Habitat components of heavy aspen, hardwood, and lowland provide food and cover for multiple species at a variety of age classes. We are working to maintain mast producing trees 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 elk, white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species. This compartment is within core elk range and follows guidance of the elk management plan.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel operation is two miles to the southwest, and sand & gravel potential in the compartment appears to be good in places. This area has been drilled and is producing gas from the Antrim Shale. There may be some potential for additional Antrim wells within the compartment. However, at current low gas prices, additional development is unlikely for the foreseeable future. There does not appear to be potential for Guelph/Niagaran reef hydrocarbon reservoirs beneath the compartment, and there is no known potential for hydrocarbons from any other proven formation in this area. There is no known metallic mineral potential in this part of the state. Most state-owned mineral rights in the compartment are currently leased and held by production. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Access is reasonably good given the topography.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The High Country Pathway clips the north end of this compartment. Mushrooming and horseback riding have also been popular.

Fire Protection:

Tri-Township VFD and MDNR provide fire protection.

Additional Compartment Information:

The following reports from the Inventory are attached:

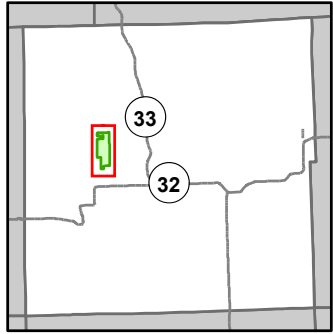
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

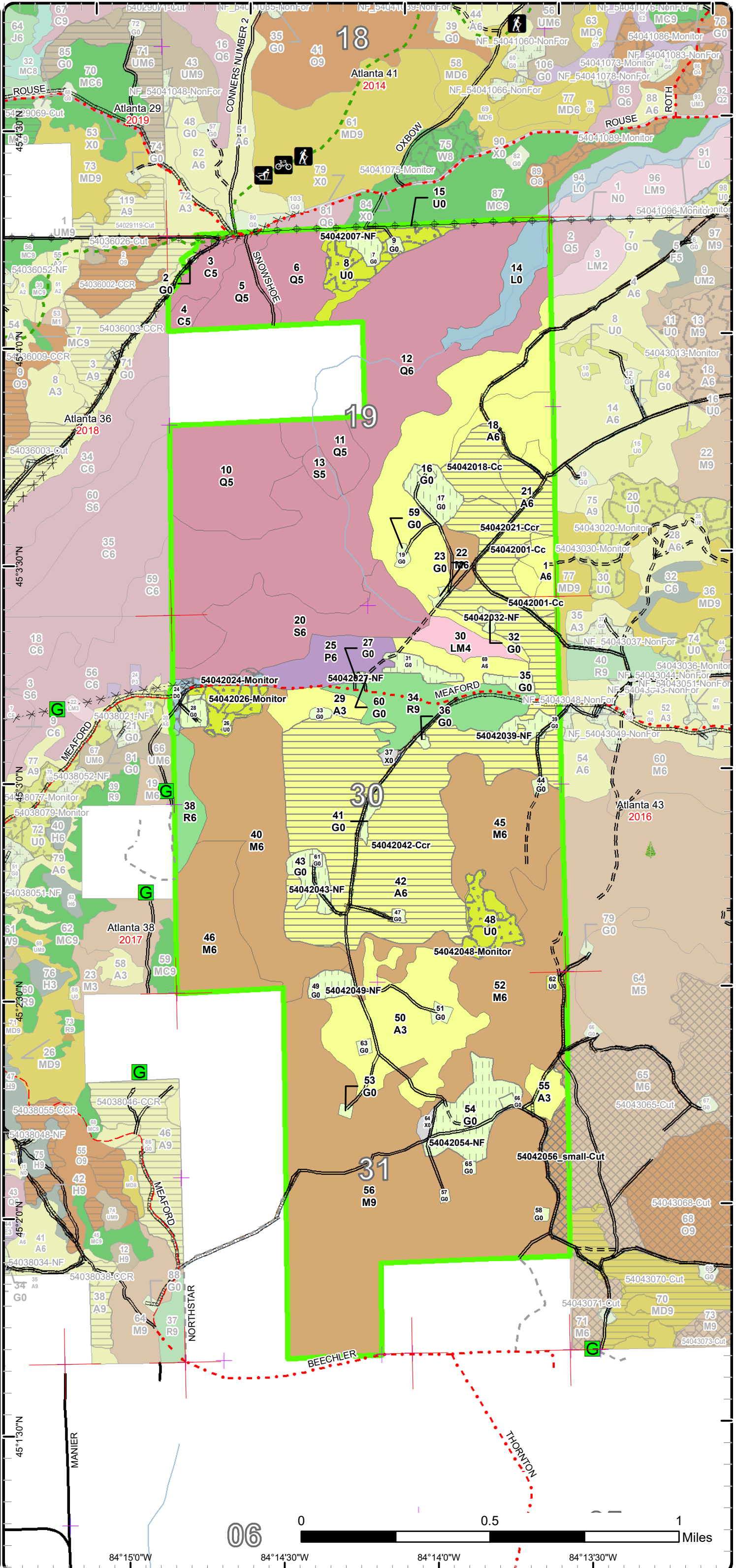
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 42
 T31N, R02E, Sec. 19, 30, 31
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Rattlesnake Hills
 YOE: 2022
 Acres: 1,615 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/22/2020
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Abandoned Railroads
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Perennial River
- Berms
- Gate
- Tree (marking)
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub



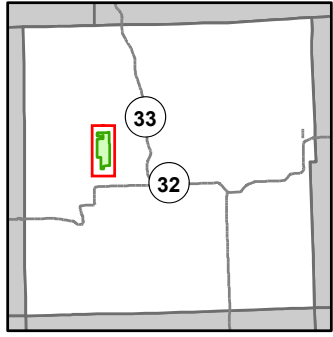
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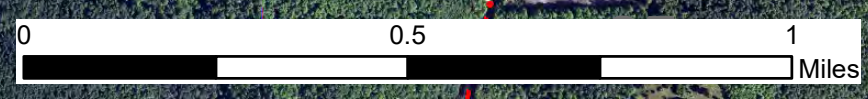
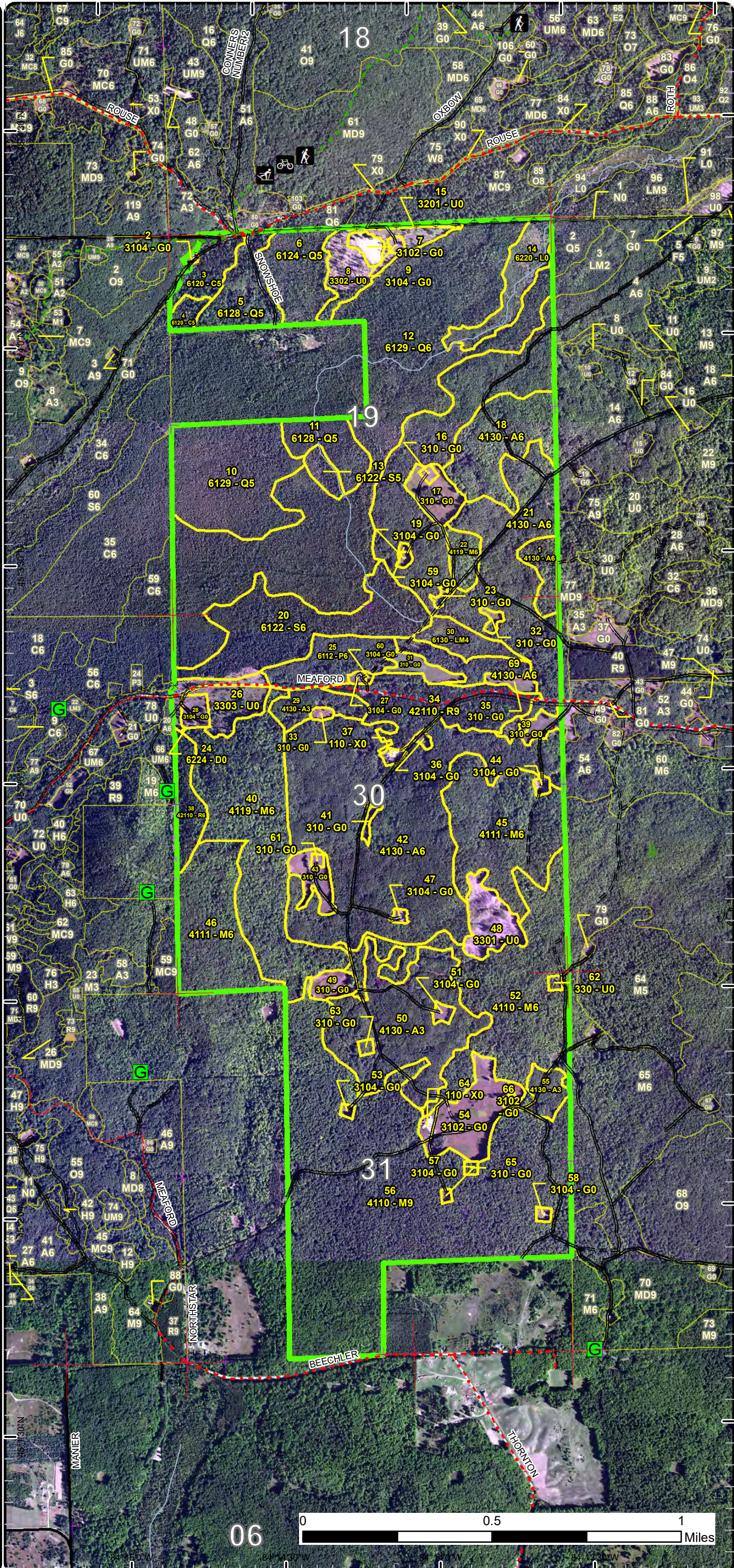
84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W

Stand Boundary Map

Compartment: 42
 T31N, R02E, Sec. 19, 30, 31
 County: Montmorency
 Unit: Atlanta
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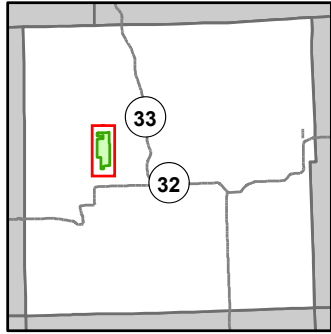
- Miris Corners
- Remonumented Section Corners
- Counties
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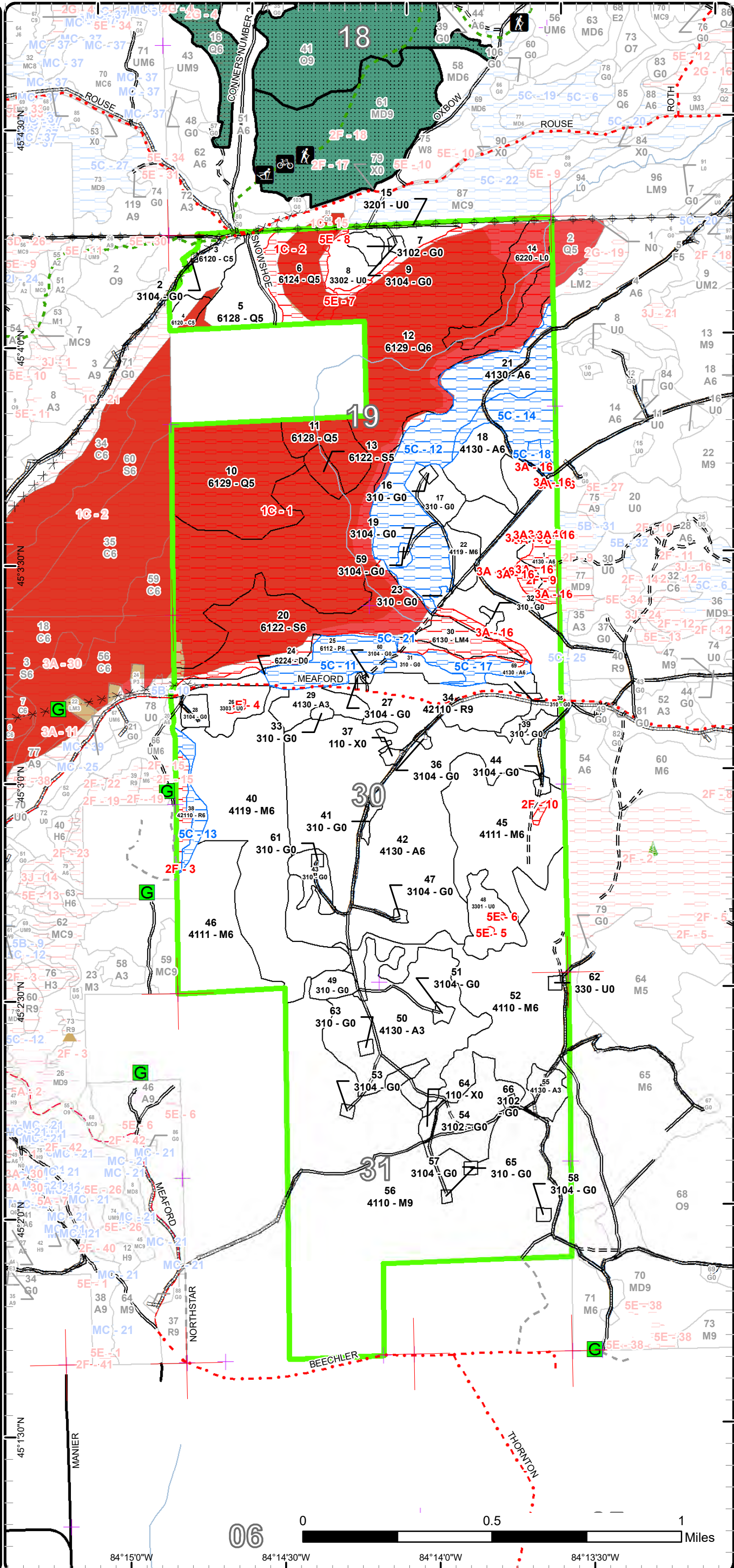
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Special Conservation Areas

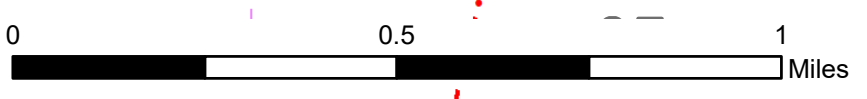
Compartment: 42
 T31N, R02E, Sec. 19, 30, 31
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- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Perennial River
- Berms
- Gate
- Tree (marking)
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Forest Habitat Core Interior
- Cold Water Streams
- Habitat Corridor



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84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	84	0	167	196	0	0	0	0	0	0	0	0	0	0	0	447
Cedar	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Herbaceous Openland	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Aspen/Balsam Poplar	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Conifers	0	0	0	0	0	0	0	21	0	96	205	0	0	0	0	0	0	0	322
Lowland Mixed Forest	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Shrub	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	5	55	0	0	0	0	0	0	0	60
Northern Hardwood	0	0	0	0	0	0	7	57	44	86	337	0	0	0	0	0	0	0	531
Red Pine	0	0	0	0	0	0	0	37	0	0	13	0	0	0	0	0	0	0	50
Treed Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	158	0	0	84	0	188	213	115	44	187	627	0	0	0	0	0	0	0	1616



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 42

Year of Entry: 2022

Acres of Harvest

Total Compartment Acres: 1,615

Commercial Harvest - 257
 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	245	0	0	0	0	0	0	0	0	245
Northern Hardwood	0	12	0	0	0	0	0	0	0	12
Total	245	12	0	0	0	0	0	0	0	257

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	257	0	0	0	0	0	43	0	67	367
Next Step	0	0	0	0	0	0	257	0	0	257
Total	257	0	0	0	0	0	300	0	67	624



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

1	54042001-Cc	2.0	4130 - Aspen	Poletimber Well	50	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. No retention due to small size. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, oak, birch, spruce, fir, pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Requires EMR specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 4 /24/2020</p>											
7	54042007-NF	3.6	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
8	54042008- Monitor	14.7	3302 - Low Density Conifer Trees	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> -survey regeneration per work instructions</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> -none listed from review report- assume any combination of spruce, fir, wp, oak, rm, and aspen of medium to high stocking</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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17	54042017-NF	9.2	310 - Herbaceous Openland	Nonstocked	Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021

18	54042018-Cc	16.7	4130 - Aspen	Poletimber Well	50	Unspecified	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut. No retention due to small size. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: aspen, maple, oak, birch, spruce, fir, pine

Other Comment: Requires EMR specs.

Site Condition

Proposed Start Date: 4 /24/2020

21	54042021-Ccr	59.0	4130 - Aspen	Poletimber Well	50	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and may be on steep slopes and/or the 100 foot buffer on the Green Swamp ERA. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: aspen, maple, oak, birch, spruce, fir, pine.

Other Comment: Requires EMR specs.

Site Condition

Proposed Start Date: 10/1 /2021

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24 54042024-Monitor	5.5	6224 - Treed Bog	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
<p><u>Prescription</u> -survey regeneration per work instructions <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> -aspen and rm of medium to high stocking <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2019</p>										
26 54042026-Monitor	10.1	3303 - Mixed Low Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -survey regeneration per work instructions <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> -none listed off review report- based on current cover, expect any combination of aspen, rm, birch, fir, and wp of medium to high stocking <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2019</p>										
27 54042027-NF	0.9	3104 - Degraded	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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28	54042028-NF	3.1	3104 - Degraded	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021

31	54042031-NF	5.4	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021

32	54042032-NF	1.4	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	320 - Upland Shrub	No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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35	54042035-NF	3.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

39	54042039-NF	5.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

42	54042042-Ccr	167.2	4130 - Aspen	Poletimber Well	42	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with retention. 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 treatment's species overall mix. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> aspen, maple, oak, birch, spruce, fir, pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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43	54042043-NF	7.5	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021

48	54042048-Monitor	12.7	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Specs: -survey regeneration per work instructions

Next Step Treatments:

Acceptable Regen: -none listed off review report- based on cover expect aspen, maple, birch, and pine of medium to high stocking

Other Comment: Percent to Treat = 100%

Site Condition

Proposed Start Date: 10/1 /2019

49	54042049-NF	5.1	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may 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:

Site Condition

Proposed Start Date: 10/1 /2021

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
54 54042054-NF	22.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
56 54042056_sm all-Cut	12.2	4110 - Sugar Maple Association	Sawtimber Well	94	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Uneven- Aged	No
<p><u>Prescription</u> -partial stand harvest (see treatment layer)-cut all ash-mark 1 mast beech to leave every 3-5 acres in clumps or individuals-crop tree release remaining trees to 80 BA residual -create 100 ft regeneration gaps in areas of primarily beech and ash at approximate spacing of 1 every 5 acres-mark-to-cut all trees >2 in DBH in regeneration gaps (clean gaps) and under individual beech and ash -do not mark trees to cut along side slopes greater than 35%-shortwood to protect slopes and residual trees</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> -acceptable regeneration is aspen, sugar maple, oak, basswood, ash, pine, and beech of medium to high stocking</p> <p><u>Regen:</u></p> <p><u>Other</u> -regeneration/salvage harvest Old next step comments: -regen survey 3-5 years-acceptable regeneration is aspen, sugar maple, oak,</p> <p><u>Comment:</u> basswood, ash, pine, and beech of medium to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										

Total Treatment 366.7
Acreage Proposed:

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Richard Barber : Examiner

Compartment: 42
Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	1C	2F	3A	5E
447	329	97	21	Aspen	97	7	10	3	
17	17	0	0	Cedar					
85	85	0	0	Herbaceous Openland		0			
44	39	0	5	Low-Density Trees					5
21	0	20	1	Lowland Aspen/Balsam Poplar	20	1			
322	21	0	301	Lowland Conifers		301			0
10	0	0	10	Lowland Mixed Forest		10			
18	0	0	18	Lowland Shrub		18			
60	2	0	58	Lowland Spruce/Fir		58			
531	530	0	1	Northern Hardwood			1		
49	37	6	6	Red Pine	6		6		
6	5	0	0	Treed Bog		0			
2	2	0	0	Upland Shrub					
3	3	0	0	Urban					
1,615	1,070	124	421	Total Forested Acres	124	396	17	3	5
	66%	8%	26%	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	1C: Other dept or div proc/practices	372	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
2	Unavailable	1C: Other dept or div proc/practices	24	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							

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3	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: based on topographic map using 40% slope.							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2F: Too steep	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: based on topographic map using 40% slope.							
10	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: based on topographic map using 40% slope.							

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11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	67	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 foot buffer on Green Swamp ERA							

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Year of Entry: 2022



17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	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



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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4130 - Aspen	Poletimber Well	9.0	50	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		10	Pole	4		Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple		5	Pole	4		Ironwood	Low	5 - 10 feet	Sapling
Red Oak		5	Log	12		Striped Maple	Low	5 - 10 feet	Sapling
Quaking Aspen		80	Pole	6	50				
2	3104 - Degraded	Nonstocked	0.7		Unspecified		HCVA for Eastern Massasauga Rattlesnake.		
3	6120 - Lowland Cedar	Poletimber Medium	12.7	93	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10	Pole	5		Balsam Fir	High	5 - 10 feet	Sapling
Northern White Cedar		85	Pole	6	93	Tag Alder	High	5 - 10 feet	Tall Shrub
Tamarack		5	Pole	5					
4	6120 - Lowland Cedar	Poletimber Medium	4.1	92	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		5	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
Northern White Cedar		80	Pole	5	92	Black Spruce	Medium	< 5 feet	Sapling
White Pine		15	Log	12		Tag Alder	High	5 - 10 feet	Tall Shrub
5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	20.8	64	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole	5		Red Maple	Low	5 - 10 feet	Sapling
Quaking Aspen		20	Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir		10	Pole/Sapling	3		White Pine	Low	< 5 feet	Sapling
White Spruce		20	Log	10					
White Pine		35	Log	9	64				
6	6124 - Lowland Spruce-Fir	Poletimber Medium	24.2	84	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar		10	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir		10	Pole	4		Black Spruce	Low	< 5 feet	Sapling
Black Spruce		45	Pole	5	84	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar		15	Pole	6					
Tamarack		20	Pole	6					
7	3102 - Grass	Nonstocked	3.6		Unspecified	Managed Opening			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	3302 - Low Density Conifer Trees	Nonstocked	18.3	0	Unspecified	4191 - Mixed Upland Deciduous with Conifer	-harvesting completed 1/4/16
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9	3104 - Degraded	Nonstocked	1.0		Unspecified		
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10	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	55.7	88	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	5	Pole	4		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	40	Pole	5	88	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	25	Pole	5					
Tamarack	25	Pole	6					

11	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	16.1	80	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	40	Pole	6	80	Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	5	Pole	4		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	10	Pole/Sapling	3		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	15	Pole	4					
Tamarack	30	Pole	4					

12	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	205.3	97	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Sapling/Pole	3		Balsam Fir	Low	< 5 feet	Sapling
Black Spruce	30	Pole/Sapling	5		Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	45	Pole	5	97	Tag Alder	Low	5 - 10 feet	Tall Shrub
Tamarack	10	Pole/Sapling	4					

13	6122 - Black Spruce	Poletimber Medium	5.0	88	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Black Spruce	65	Pole/Sapling	3	88	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	10	Pole/Sapling	3					
Tamarack	20	Pole	4					

14	6220 - Alder/willow	Nonstocked	18.3		Unspecified	No	Packer Creek.
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15	3201 - Sweet Fern	Nonstocked	1.8	0	Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
16	310 - Herbaceous Openland	Nonstocked	0.9		Unspecified																																																	
17	310 - Herbaceous Openland	Nonstocked	9.2		Unspecified	Managed Opening																																																
18	4130 - Aspen	Poletimber Well	34.9	50	Unspecified	N/A																																																
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19	3104 - Degraded	Nonstocked	0.8		Unspecified																																																	
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21	4130 - Aspen	Poletimber Well	140.5	50	Unspecified	N/A																																																
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22	4119 - Mixed Northern Hardwoods	Poletimber Well	7.4	50	Unspecified	N/A																																																
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24	6224 - Treed Bog	Nonstocked	5.6	0	Unspecified	6117 - Lowland Deciduous, Mixed Coniferous	-clearcut completed 1/4/16																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
25	6112 - Lowland Aspen	Poletimber Well	20.7	48	Unspecified	N/A																																						
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26	3303 - Mixed Low Density Trees	Nonstocked	10.9	0	Unspecified	4139 - Aspen, Mixed Deciduous	-clearcut completed 1/4/16-left all wp																																					
27	3104 - Degraded	Nonstocked	0.9		Unspecified																																							
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29	4130 - Aspen	Sapling Well	10.7	26	Unspecified	N/A																																						
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30	6130 - Fir, Aspen, Maple	Poletimber Poor	10.3	56	Unspecified	N/A																																						
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31	310 - Herbaceous Openland	Nonstocked	5.4			No																																						
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34	42110 - Planted Red Pine	Sawtimber Well	36.8	65	111-140	N/A																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
35	310 - Herbaceous Openland	Nonstocked	3.0			No																																																
36	3104 - Degraded	Nonstocked	0.9		Unspecified																																																	
37	110 - Low Intensity Urban	Nonstocked	1.3		Unspecified		BRILEY 29 UNIT CPU																																															
38	42110 - Planted Red Pine	Poletimber Well	12.6	95	Unspecified	N/A	super steep, way too steep to log.																																															
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39	310 - Herbaceous Openland	Nonstocked	5.0			No																																																
40	4119 - Mixed Northern Hardwoods	Poletimber Well	85.7	82	Unspecified	N/A	super steep throughout.																																															
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41	310 - Herbaceous Openland	Nonstocked	1.3			No																																																
42	4130 - Aspen	Poletimber Well	167.2	42	Unspecified	N/A																																																
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Quaking Aspen	85	Pole	5	42																																																		
43	310 - Herbaceous Openland	Nonstocked	7.5		Unspecified	Managed Opening																																																
44	3104 - Degraded	Nonstocked	1.2		Unspecified																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	4111 - S.Maple, Hard Mast Association	Poletimber Well	57.0	61	Unspecified	N/A	very steep
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		40	Pole	6	61	Beech	
Basswood		20	Pole	6		Ironwood	
Beech		20	Log/Pole	8		Striped Maple	
Red Oak		10	Log	11			
Bigtooth Aspen		10	Log	10			
46	4111 - S.Maple, Hard Mast Association	Poletimber Well	44.3	74	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		45	Pole/Log	8	74	Beech	
Basswood		20	Pole/Log	8		Ironwood	
White Ash		10	Pole/Log	8		Striped Maple	
Beech		15	Pole/Log	9			
Bigtooth Aspen		5	Log	12			
Red Pine		5	Log	12			
47	3104 - Degraded	Nonstocked	0.9		Unspecified		
48	3301 - Low Density Deciduous Trees	Nonstocked	14.1	0	Unspecified	4139 - Aspen, Mixed Deciduous	-clearcut completed 1/4/16
49	310 - Herbaceous Openland	Nonstocked	5.1			No	
50	4130 - Aspen	Sapling Well	66.0	26	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		2	Sapling	3			
Quaking Aspen		98	Sapling/Pole	3	26		
51	3104 - Degraded	Nonstocked	1.5		Unspecified		
52	4110 - Sugar Maple Association	Poletimber Well	89.8	92	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		40	Pole/Log	7	92	Ironwood	
Basswood		30	Log/Pole	8			
White Ash		20	Log/Pole	9			
Beech		10	Log	10			
53	3104 - Degraded	Nonstocked	0.7		Unspecified		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
54	3102 - Grass	Nonstocked	22.4		Unspecified	Managed Opening																																																							
55	4130 - Aspen	Sapling Well	7.2	26	Unspecified	N/A																																																							
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56	4110 - Sugar Maple Association	Sawtimber Well	247.0	94	81-110	N/A	harvested 3 years ago.																																																						
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66	3102 - Grass	Nonstocked	0.8		Unspecified																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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69	4130 - Aspen	Poletimber Well	11.6	50	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	4		Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple	5	Pole	4		Ironwood	Low	5 - 10 feet	Sapling
Red Oak	5	Log	12		Striped Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	80	Pole	6	50				