



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54037

Entry Year 2021

Acreage: 1,265

County Montmorency

Management Area: Rattlesnake Hills

Revision Date: 2019-08-06

Stand Examiner: Darrick Coy

Legal Description:

T31N, R01E, Sections 22, 27 & 34

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen and other deciduous covertypes to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses.

Soil and topography:

Soils are primarily well drained and loamy sands. The topography of the compartment is primarily level with some minor areas of rolling and hilly terrain. Old Baldy (Island Hill) contains the steepest terrain. The Green Swamp ERA contains the most flat terrain in the lowland. The compartment is predominately aspen, northern hardwood, and lowland conifer cover types. Forest habitat types are primarily dominated by AFO, PARVb, and unclassified lowland.

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

Some privately held land within Sections 22 and 27 is being recommended for acquisition to add acreage to the Greens Swamp ERA, consolidate state ownership, and improve trout management and access along the East Branch River. Most development around the compartment is limited due to the Green Swamp. There are a few oil and gas wells scattered throughout the compartment. Hunting and ORV use are the primary recreational activities. A few privately owned hunting camps lie adjacent to the compartment.

Unique Natural Features:

Rare and endanger species present. Contact Michigan Natural Features Inventory for more information or reporting.

Archeological, Historical, and Cultural Features:

No known sites exist. Contact the State Historical Preservation Office for more information or reporting of new sites.

Special Management Designations or Considerations:

Green Swamp ERA, Rich Conifer Swamp SCA, and Dedicated Habitat Area for Eastern Massasauga Rattlesnake. Follow current management guidelines when harvesting within or near these features.

Watershed and Fisheries Considerations:

East Branch Black River (EBBR) should be protected to continue to provide top quality fishing for a variety of trout. Recent habitat improvement projects for trout fishing have been completed in this area. Follow BMP guidance and maintain a 300ft minimum buffer for clearcuts along the EBBR.

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 aspen, cedar swamp, and openings provide food or cover for multiple species at a variety of age classes. 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

An active sand/gravel pit is located two miles to the southeast, and sand & gravel potential appears to be good within the compartment, though development could be limited by a shallow water table in places. This area is leased and has been developed for the Antrim Shale. There is low potential for additional future oil & gas development. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

County Roads 622, Island Hill Rd, and Camp 8 provide the best access.

Survey Needs:

Section 27- stands 34, 27, and 29

Recreational Facilities and Opportunities:

Access to East Branch of Black River. Site seeing from top of Old Baldy. The High Country Pathway borders the north edge of the compartment along County Rd 622.

Fire Protection:

Local fire response is provided through the Atlanta DNR and local VFD. With the steeper terrain, meandering county roads, and large lowlands, fire response time can be rather long.

Additional Compartment Information:

The following reports from the Inventory are attached:

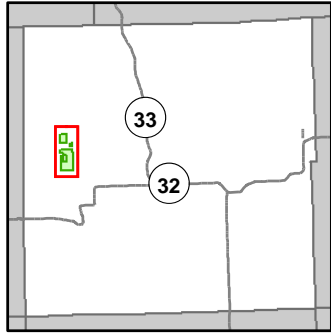
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

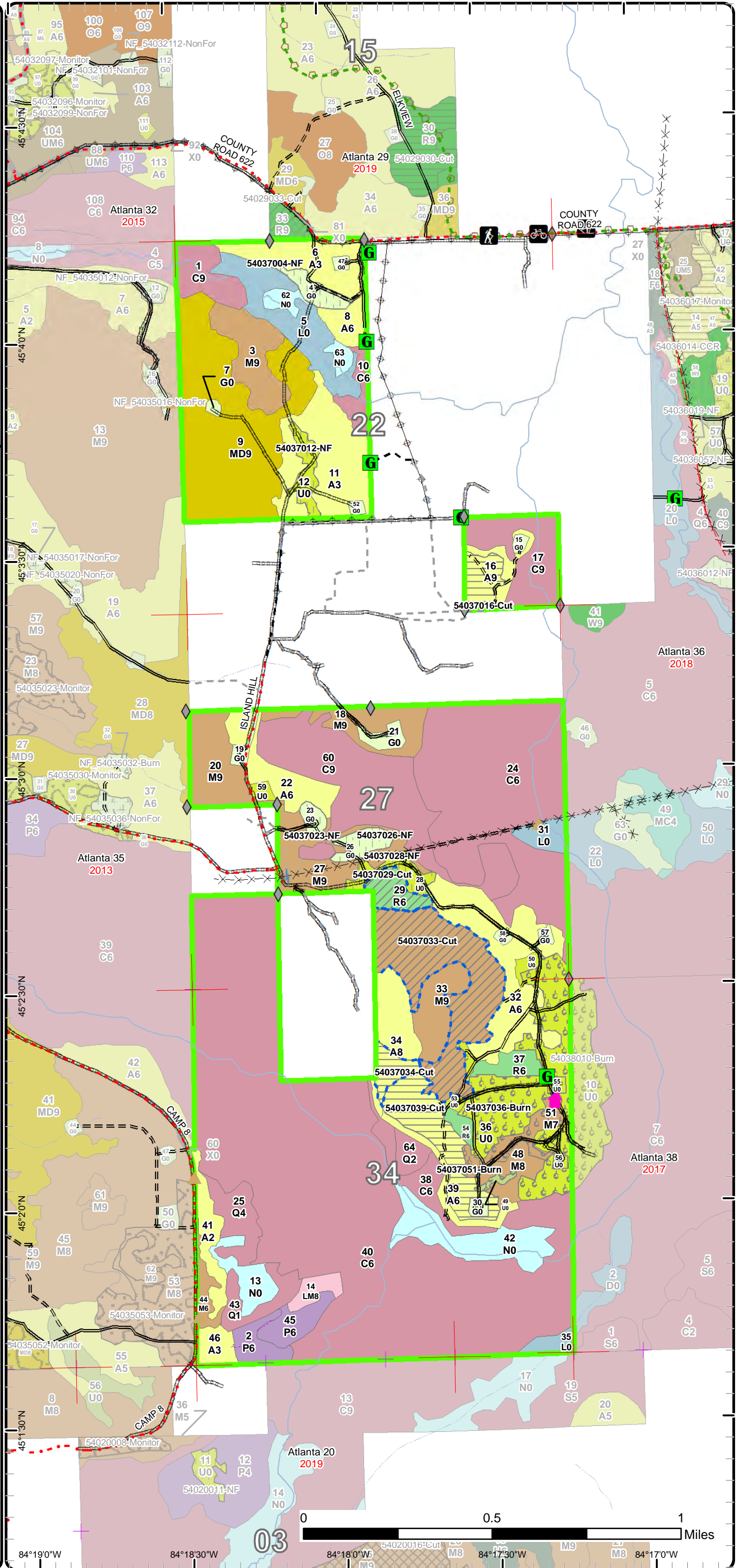
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 37
 T31N, R01E, Sec. 22, 27, 34
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Rattlesnake Hills
 YOE: 2021
 Acres: 1,265 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 10/10/2019
 Map Phase: Post-Review

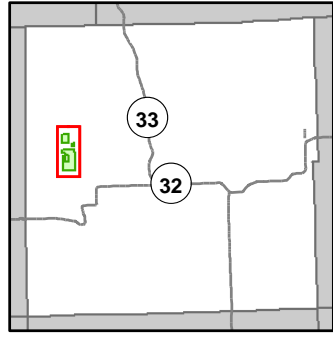


- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ✕ Abandoned Railroads
- 🚶 Hiking Trails
- 🚴 Bike Trails
- 🎿 Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Snowshoe Trails
- Drain
- Intermittent Stream
- Perennial River
- 🏠 Structure, Seasonal Dwelling
- ▲ Berms
- 🚪 Gate
- Bridges
- Culvert
- Pipeline
- ⚡ Powerline
- Non-Designated Recreational Trail
- 🟩 Compartment Boundary
- 🟦 Treatments with Site Conditions
- 🟨 Clearcut (w/Reserves)
- 🟩 Prescribed Burn
- 🟨 Thinning (Crown, Low, Systematic)
- 🟨 Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

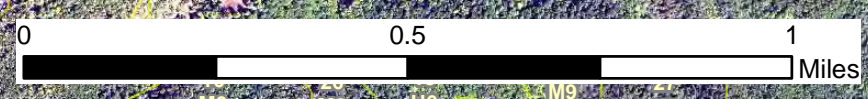
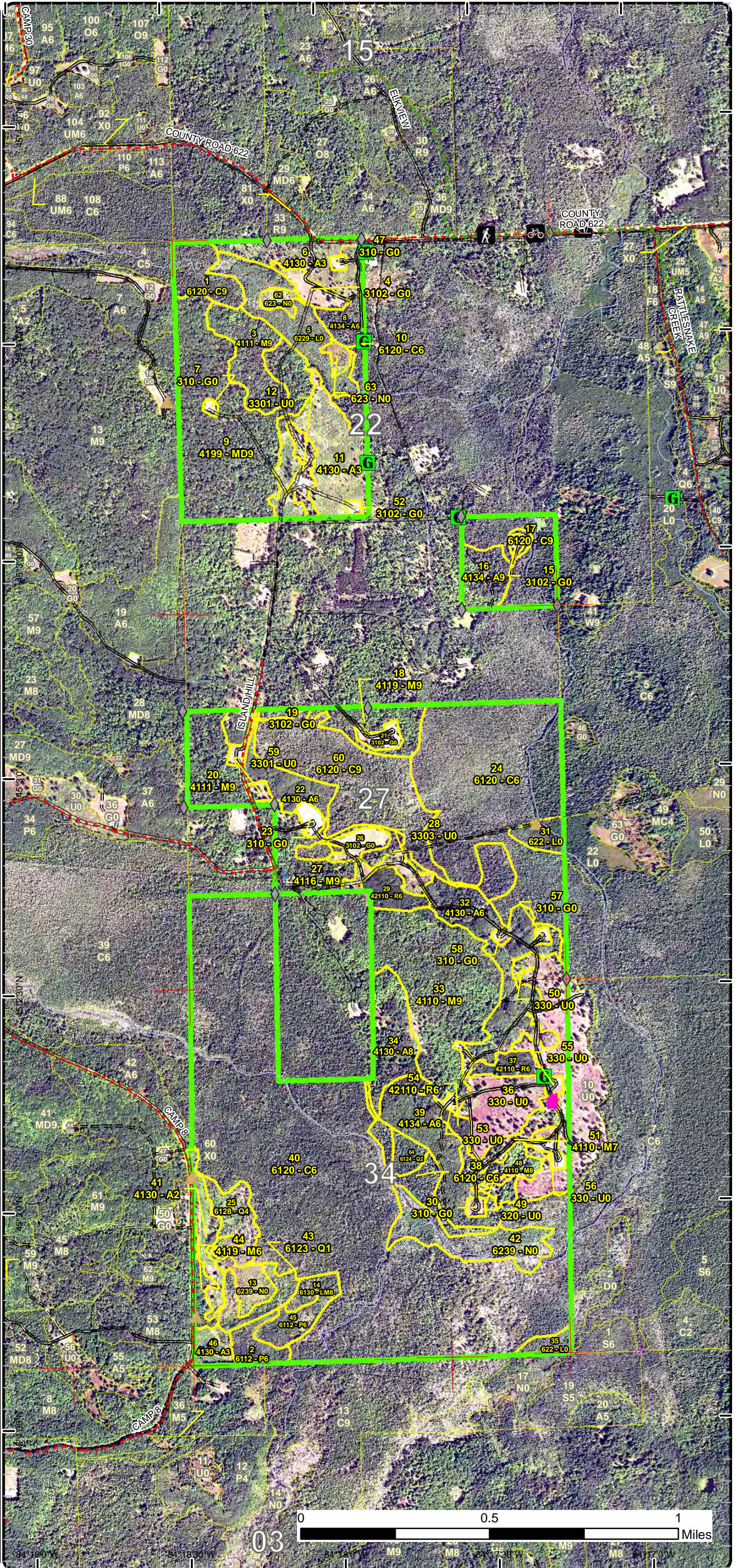


Stand Boundary Map

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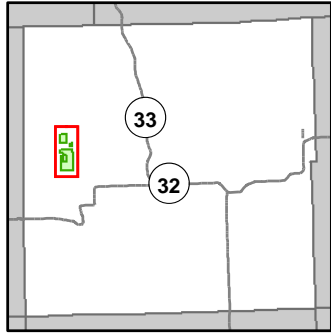


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- 🟨 Stand Boundaries
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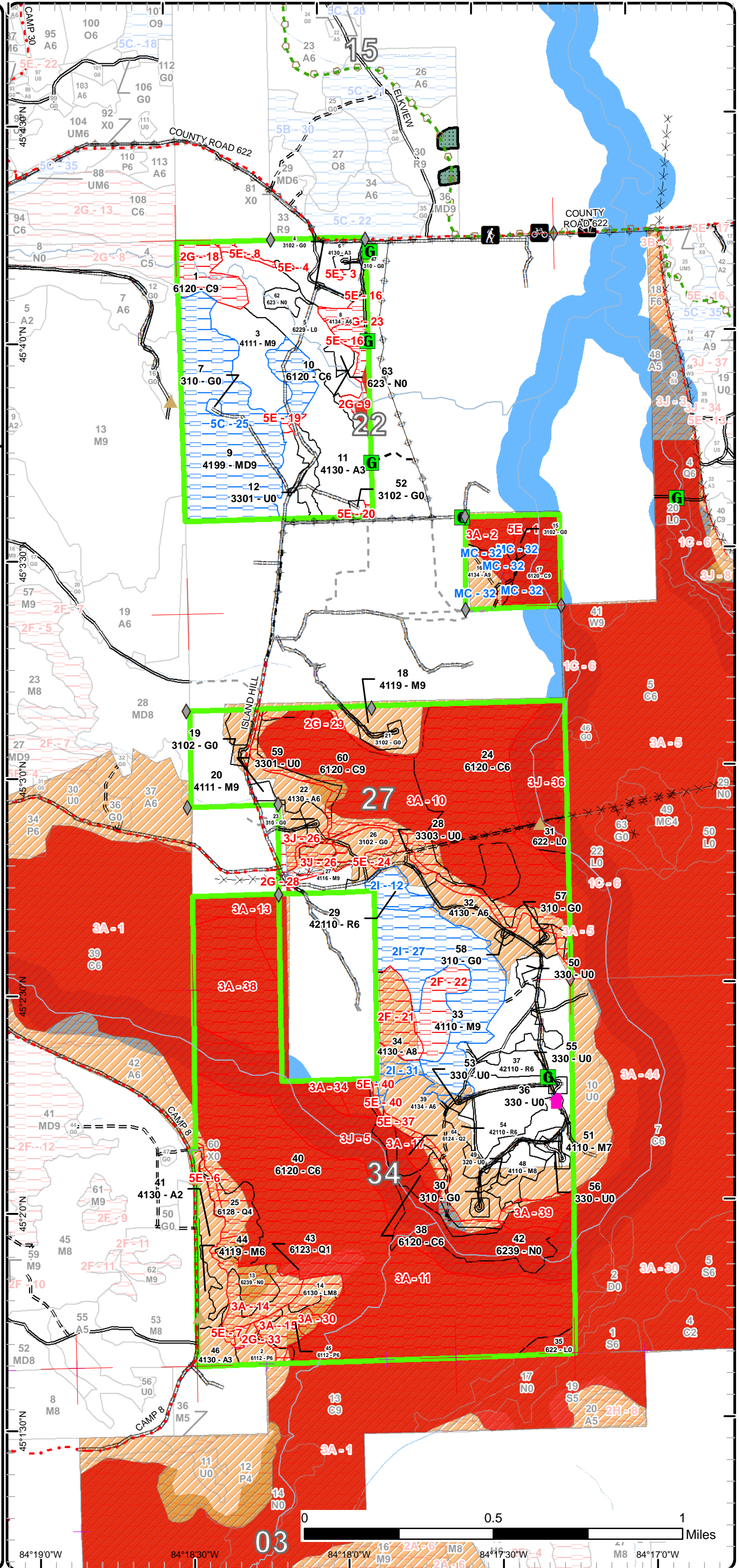


Special Conservation Areas & Site Conditions Map

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- Drain
- Intermittent Stream
- Perennial River
- Structure, Seasonal Dwelling
- ▲ Berms
- Gate
- Bridges
- Culvert
- Pipeline
- Powerline
- Non-Designated Recreational Trail
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Eastern Massasauga Managed Land
- Forest Habitat Core Interior
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



84°19'0"W 84°18'30"W 84°18'0"W 84°17'30"W 84°17'0"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	75	0	16	40	30	7	0	20	14	0	0	0	0	0	0	0	0	202
Cedar	0	0	0	0	0	0	0	0	0	0	14	427	112	12	0	0	0	0	565
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Low-Density Trees	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
Lowland Aspen/Balsam Poplar	0	0	0	9	0	8	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	15	0	0	0	0	0	0	0	13	0	0	0	0	0	0	27
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Marsh	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	83	0	0	0	0	0	0	0	0	83
Northern Hardwood	0	0	0	0	0	0	6	0	33	113	21	0	0	0	0	0	0	0	172
Red Pine	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	176	75	0	57	40	38	13	0	53	210	40	440	112	12	0	0	0	0	1264



Report 2 – Treatment Summary

Atlanta Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 37
Total Compartment Acres: 1,265

Commercial Harvest - 32
Harvests with Site Condition - 66
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	38	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	0	0	0	0	52	0	0	0	52
Red Pine	0	0	0	0	0	8	0	0	0	8
Total	38	0	0	0	0	60	0	0	0	98

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	98	0	0	0	63	0	0	0	28	189
Next Step	0	0	0	0	0	0	101	0	0	101
Total	98	0	0	0	63	0	101	0	28	290



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	54037004-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 - following EMR restrictions

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

12	54037012-NF	6.7	3301 - Low Density Deciduous Trees	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	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
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

16	54037016-Cut	8.6	4134 - Aspen, Spruce/Fir	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Field Boundary - Ready for VMS
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Habitat Cut: No**Site Condition:**

Prescription -clearcut

Specs:

- leave area retention around opening to east (already excluded)
- leave all white pine, only a trace amount present
- negotiated sale with adjacent private landowner timber harvest
- early start date to cut during Winter 2020 per landowner
- keep the sale boundary 300ft away from East Branch Black River (already excluded) and 100ft away from the Green Swamp ERA (already excluded)
- include grouse sale specification

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -any combination of aspen, maple, fir, spruce, pine, and oak of medium to high stocking

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
23	54037023-NF	2.9	310 - Herbaceous Openland	Nonstocked		Unspec ified	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 - following EMR guidelines

Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

26	54037026-NF	5.9	3102 - Grass	Nonstocked		Unspec ified	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 - working within EMR guidelines

Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

28	54037028-NF	6.8	3303 - Mixed Low Density Trees	Nonstocked		Unspec ified	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 StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

29	54037029-Cut	8.0	42110 - Planted Red Pine	Poletimber Well	27	171- 200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription -3rd row thin
Specs: -rows are sufficiently wide and defined, should not need to mark-to-cut
 -east half of stand is at a much lower BA, still treat this area

Next StepTreatments:AcceptableRegen:OtherComment: -needs survey, south corner not found during inventory

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
33	54037033-Cut	52.1	4110 - Sugar Maple Association	Sawtimber Well	84	81-110	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Even-Aged	Approved Proposal

Habitat Cut: No Site Condition: Survey NeededPrescription -thin to 80 residual BASpecs:
-use various openings along east boundary of stand for access and landing
-keep excessively steep slopes (over 35%) out of treatment (already excluded)Next StepTreatments:AcceptableRegen:Other -needs survey, south corner not found during inventoryComment:Proposed Start Date: 10/1 /2020

34	54037034-Cut	5.9	4130 - Aspen	Sawtimber Medium	72	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No Site Condition: Survey NeededPrescription -clearcutSpecs:
-leave 3-10% area retention (already excluded)Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable -any combination of aspen, red maple, fir, pine, and oak of medium to high stockingRegen:Other -needs survey, no corner found during inventoryComment:Proposed Start Date: 10/1 /2020

36	54037036- Burn	51.8	330 - Low-Density Trees	Nonstocked			Burn	Opening	330 - Low- Density Trees		Field Boundary
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Habitat Cut: No Site Condition:Prescription Burn to maintain soft mast producing plant species including rubus. Burn in accordance with massasauga limitations.Specs:Next Step Monitoring, Other - SpecifyTreatments:AcceptableRegen:Other Stand contains some rubus spp., and mast producing shrubs along with other species used by a variety of wildlife.Comment:

Approved OOOOE with Compartment 38 during 2017 compartment review.

Proposed Start Date: 8 /1 /2015

39	54037039-Cut	23.1	4134 - Aspen, Spruce/Fir	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No Site Condition:Prescription -clearcutSpecs:
-leave 3-10% in area retention along lowland (already excluded)
-keep sale boundary 300ft away from East Branch Black River (already excluded) and 100ft from Green Swamp ERA boundary (already excluded)
-include grouse sale specificationNext Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable -any combination of aspen, red maple, fir, pine, and oak of medium to high stockingRegen:OtherComment: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
49	54037049- Burn	1.3	320 - Upland Shrub	Nonstocked			Burn	Opening	320 - Upland Shrub		Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Burn to maintain soft mast producing plant species including rubus. Burn in accordance with massasauga limitations.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other Stand contains some rubus spp., and mast producing shrubs along with other species used by a variety of wildlife.

Comment:

Approved OOOOT with Compartment 38 during 2017 compartment review.

Proposed Start Date: 8 /1 /2015

51	54037051- Burn	10.0	4110 - Sugar Maple Association	Sawtimber Poor	83	1-50	Burn	Opening	330 - Low- Density Trees		Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Burn to maintain soft mast producing plant species including rubus. Burn in accordance with massasauga limitations.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable Any combination native shrubs including rubus spp. and native grasses.

Regen:

Other Approved OOOOT with Compartment 38 during 2017 compartment review.

Comment:

Proposed Start Date: 8 /1 /2015

**Total Treatment
Acreage Proposed: 188.8**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
1,265	383	150	732
	30%	12%	58%

Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions									
					2I	5C	MC	1C	2F	2G	3A	3J	5E	
202	148	6	48	Aspen	6		0		14	1	17	2	14	
565	2	0	563	Cedar						18	446	97	1	
28	28	0	0	Herbaceous Openland							0		0	
73	73	0	0	Low-Density Trees							0		0	
16	4	0	12	Lowland Aspen/Balsam Poplar						1	11			
27	0	0	27	Lowland Conifers							24	2	1	
5	0	0	5	Lowland Mixed Forest							5			
36	26	0	10	Lowland Shrub				0		0	4	6		
38	6	0	33	Marsh							10	23		
83	0	83	0	Mixed Upland Deciduous		83								
172	87	52	33	Northern Hardwood	52				14	5	2	5	7	
17	9	8	0	Red Pine	8									
1	1	0	0	Upland Shrub										
1,265	383	150	732	Total Forested Acres	66	83	0	0	28	26	519	137	23	
	30%	12%	58%	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	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 16							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	29	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: -cold water trout stream-Green Swamp ERA							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

3	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	97	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 6							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

10	Unavailable	3A: Conservation Values incompatible with harvest at this time	161	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
11	Unavailable	3A: Conservation Values incompatible with harvest at this time	211	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.							
12	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3A: Conservation Values incompatible with harvest at this time	14	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's.							
14	Unavailable	3A: Conservation Values incompatible with harvest at this time	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's.							
15	Unavailable	3A: Conservation Values incompatible with harvest at this time	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

16	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 8							
17	Unavailable	3A: Conservation Values incompatible with harvest at this time	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	5A: Not able to obtain desirable regeneration	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	83	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -expansive series of drainages and seeps flowing into stand 60							
27	Available	2I: Survey needed	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: -expansive series of drainages and seeps flowing into stand 60							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3A: Conservation Values incompatible with harvest at this time	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's.							
31	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	Minor Change in Acreage	0				
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	3A: Conservation Values incompatible with harvest at this time	3	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.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 37
Year of Entry: 2021

36	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	34	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
37	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	1C: Other dept or div proc/practices	Unspecified	Unspecified
Comments: Area retention for stand 39. Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							
38	Unavailable	3A: Conservation Values incompatible with harvest at this time	44	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.							
39	Unavailable	3A: Conservation Values incompatible with harvest at this time	9	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.							
40	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Area Retention for Stand 34. Green Swamp ERA and Forest Habitat Core Interior HCVA's. Cold water Stream.							

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
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
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	6120 - Lowland Cedar	Sawtimber Well	13.6	98	171-200	N/A	high density, healthy crowns/vigor																																									
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2	6112 - Lowland Aspen	Poletimber Well	7.8	43	81-110	N/A	-25 years in north 2/3rds, 35 in south 8 acres?-bored several aspen and ages is 43																																									
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3	4111 - S.Maple, Hard Mast Association	Sawtimber Well	20.4	84	81-110	N/A	-some slopes, nothing too steep, and hemlock scattered throughout, qd this stand																																									
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4	3102 - Grass	Nonstocked	5.7			Managed Opening	scattered oak mast trees, appears maintained, too much snow to confirm																																									
5	6229 - Mixed lowland shrub	Nonstocked	25.5			No	small stream flows through																																									
6	4130 - Aspen	Sapling Well	21.2	5	Immature	N/A	-past treatment- clearcut-completion date- 6/24/14-sale number- 54-055-11-01-leave trees- all rp, wp, oak, hemlock, and white cedar-volume (cde)- >80% aspen-more residual pine and oak in west 1/3rd (aspen mixed pine)																																									
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7	310 - Herbaceous Openland	Nonstocked	0.9	0		No	-gas well																																									
8	4134 - Aspen, Spruce/Fir	Poletimber Well	7.4	54	51-80	N/A																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
9	4199 - Other Mixed Upland Deciduous	Sawtimber Well	83.3	88	81-110	N/A	-scattered hemlock in east part of stand. -thinning completed in 2015, marked-to-cut to 80 BA, cut all aspen and rm -past treatment- selection, cut all birch, aspen, and ironwood (east half only) -acres- 47 -completion date- 10/31/83 -sale number- 54-078-80-01 -leave trees- undesignated trees -volume (cds)- 110 pb, 100 mhwd, 90 aspen, 12 hemlock, 7 oak, 7 bsw																																													
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12	3301 - Low Density Deciduous Trees	Nonstocked	6.7			No	almost forested																																													
13	6239 - Mixed Emergent Wetland	Nonstocked	9.1	0	Unspecified	No	cattail wetland, beaver cutting along perimeter in places with aspen																																													
14	6130 - Fir, Aspen, Maple	Sawtimber Medium	5.0	93	51-80	N/A	-part of green swamp ERA boundary -appears to have been possibly selectively cut through in places, difficult to tell																																													
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15	3102 - Grass	Nonstocked	1.1		Unspecified	No																																														
16	4134 - Aspen, Spruce/Fir	Sawtimber Well	13.5	87	81-110	N/A																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
17	6120 - Lowland Cedar	Sawtimber Well	24.5	108	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir		25	Pole	7		Balsam Fir	High	Variable	Sapling
Black Spruce		15	Pole	8		Black Spruce	Low	Variable	Sapling
Northern White Cedar		50	Log/Pole	10	108	Tag Alder	Medium	Variable	Tall Shrub
18	4119 - Mixed Northern Hardwoods	Sawtimber Well	16.6	87	81-110	N/A	-aspens around perimeter edge with lower quality red maple and sugar maple-higher BA with more bsw in east		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		20	Log/Pole	11		Balsam Fir	High	Variable	Sapling
Red Maple		27	Log/Pole	11	87				
Basswood		25	Log/Pole	13					
Paper Birch		10	Log/Pole	11					
Bigtooth Aspen		10	Log/Pole	13					
19	3102 - Grass	Nonstocked	2.6		Unspecified	No			
20	4111 - S.Maple, Hard Mast Association	Sawtimber Well	21.2	90	51-80	N/A	-species removal complete in 2016 -cut all ash and beech, marked a few scattered beech trees to leave Sale Name: Bigfoot Hardwoods Purchaser: EH Tulgestka Preparer: UMLMWS Administrator: Fate Payment Unit: 9		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		40	Pole/Log	8	90	Sugar Maple	Low	Variable	Sapling
Basswood		29	Log	12		Beech	Medium	Variable	Sapling
Red Oak		25	Log	14		Ironwood	High	Variable	Sapling
21	3102 - Grass	Nonstocked	3.8		Unspecified	Managed Opening			
22	4130 - Aspen	Poletimber Well	16.1	26	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		10	Sapling/Pole	4		Ironwood	High	5 - 10 feet	Sapling
Red Maple		10	Sapling/Pole	4		Black Cherry	Medium	Variable	Sapling
Quaking Aspen		30	Pole/Sapling	5		Red Oak	Low	Variable	Sapling
Bigtooth Aspen		50	Pole/Sapling	5	26	Paper Birch	Low	Variable	Sapling
23	310 - Herbaceous Openland	Nonstocked	2.9		Unspecified	No			
24	6120 - Lowland Cedar	Poletimber Well	111.8	115	111-140	N/A	-weak cedar crowns, higher water table in this stand vs cedar stand to west		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Poplar		6	Log	12		Balsam Fir	Medium	Variable	Sapling
Balsam Fir		20	Pole	7		Black Spruce	Low	Variable	Sapling
Black Spruce		10	Log/Pole	11		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar		54	Pole/Log	8	115				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
25	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	12.5	109	51-80	N/A	-snags in south half, fairly mixed stand with broken canopy integrity																																														
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26	3102 - Grass	Nonstocked	5.9		Unspecified	Managed Opening																																															
27	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	23.6	72	81-110	N/A	Free flowing stream. Poor quality hardwoods. Old railroad grade. Vernal ponds and at least one seep.																																														
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28	3303 - Mixed Low Density Trees	Nonstocked	6.8		Unspecified	Managed Opening	some apple tree plantings found in cages																																														
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29	42110 - Planted Red Pine	Poletimber Well	8.0	27	171-200	N/A	-In ten years Jim Bielecki will check for presence of American chestnut planted by Bielecki in early 1990s.-impressive growth for rather young age-east 1/3rd of stand is more open with less BA and higher % live crown																																														
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30	310 - Herbaceous Openland	Nonstocked	1.6	0		No	-well site, too much snow to evaluate level 4 coding																																														
31	622 - Lowland Shrub	Nonstocked	6.2		Unspecified	No																																															
32	4130 - Aspen	Poletimber Well	39.6	36	51-80	N/A	FTP for cutting aspen, basswood and maple completed 4/1/82-past treatment- clearcut (in part with stand 33 which was select cut)- completion date- 2/24/83-sale number- 54-085-80a-01-leave trees- none-volume (cde)- 382 aspen, 175 mixed hardwood																																														
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33	4110 - Sugar Maple Association	Sawtimber Well	66.4	84	81-110	N/A	old baldy hill -past treatment- selection, all trees marked with yellow paint (in part with stand 32 which was clearcut) -completion date- 2/24/83 -sale number- 54-085-80a-01 -leave trees- none -volume (cfs)- 382 aspen, 175 mixed hardwood (in part with stand 32 which was clearcut) -put in 14 QD points -areas of BA overstocking in nw, middle, and south 1/3rd of stand																																								
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35	622 - Lowland Shrub	Nonstocked	4.2	0		No	-likely mostly tag alder based on imagery																																								
36	330 - Low-Density Trees	Nonstocked	50.9			Managed Opening	Trees are mostly basswood and sugar maple. Some basswood pushing 24" DBH. Scattered cherry shrubs and some autumn olive. Abundant little blue stem and bracken fern.																																								
37	42110 - Planted Red Pine	Poletimber Well	6.1	27	111-140	N/A	good row integrity																																								
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38	6120 - Lowland Cedar	Poletimber Well	12.2	125	111-140	N/A	Stand swapped from Non-Forested to Forested. -saplings with minimal overstory in n half -age 125																																								
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39	4134 - Aspen, Spruce/Fir	Poletimber Well	29.9	49	81-110	N/A	cut tree down, previous age is correct																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
40	6120 - Lowland Cedar	Poletimber Well	330.7	109	141-170	N/A	-Green Swamp ERA, Rich Conifer SCA, Massasauga Rattlesnake DHA		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Poplar		10	Log	14		Balsam Fir	Medium	Variable	Sapling
Balsam Fir		15	Pole	8		Northern White Cedar	Low	Variable	Sapling
Black Spruce		20	Log/Pole	11		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar		50	Pole/Log	8	109	Black Ash	Medium	Variable	Sapling
						Black Spruce	Low	Variable	Sapling
41	4130 - Aspen	Sapling Medium	10.9	5	Immature	N/A	-past treatment- clearcut -completion date- 8/8/14 -sale number- 54-054-11-01 -leave trees- all rp, wp, oak, hemlock, and white cedar -volume (cds)- >80% aspen		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		84	Sapling	1	5				
Ironwood		15	Sapling	1					
42	6239 - Mixed Emergent Wetland	Nonstocked	23.4		Immature	No	mix of bog, dead trees, lowland shrub pockets		
43	6123 - Lowland Fir	Sapling Poor	9.7	25	1-50	N/A	barely forested, saplings growing in cattail wetland, beaver cutting along perimeter in places with aspen		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Balsam Fir		50	Sapling/Pole	3	25	Cattail spp.	Medium	Unspecified	Non-Wood
Black Spruce		40	Sapling/Pole	3					
Black Ash		10	Sapling	1	25				
44	4119 - Mixed Northern Hardwoods	Poletimber Well	5.7	50	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple		60	Pole/Sapling	7	50	Sugar Maple	Medium	Variable	Sapling
Ironwood		15	Pole/Sapling	5		Ironwood	High	Variable	Sapling
Basswood		15	Pole/Sapling	7					
45	6112 - Lowland Aspen	Poletimber Well	8.6	25	1-50	N/A	-part of green swamp ERA boundary		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen		75	Pole/Sapling	5	25	Black Ash	Full	Variable	Sapling
Balsam Poplar		15	Pole/Sapling	5					
46	4130 - Aspen	Sapling Well	6.3	5	Immature	N/A	-past treatment- clearcut -completion date- 8/8/14 -sale number- 54-054-11-01 -leave trees- all rp, wp, oak, hemlock, and white cedar -volume (cds)- >80% aspen		
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		90	Sapling	1	5				
47	310 - Herbaceous Openland	Nonstocked	1.0		Unspecified	No	Gas Well Pad		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
48	4110 - Sugar Maple Association	Sawtimber Medium	8.5	77	51-80	N/A	evidence of many large tip-ups, no sign of burnt stumps.																																								
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49	320 - Upland Shrub	Nonstocked	1.3			Managed Opening	Trees are mostly basswood and sugar maple. Scattered cherry shrubs and some autumn olive.																																								
50	330 - Low-Density Trees	Nonstocked	1.9		Unspecified	No	mostly cherry.																																								
51	4110 - Sugar Maple Association	Sawtimber Poor	10.1	83	1-50	N/A	Off-site sugar maple and basswood.																																								
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52	3102 - Grass	Nonstocked	0.9		Unspecified	No																																									
53	330 - Low-Density Trees	Nonstocked	1.1		Unspecified	Managed Opening	Trees are mostly basswood and sugar maple. Some basswood pushing 24" DBH. Scattered cherry shrubs and some autumn olive. Abundant little blue stem and bracken fern.																																								
54	42110 - Planted Red Pine	Poletimber Well	2.7	27	111-140	N/A	New stand added.																																								
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56	330 - Low-Density Trees	Nonstocked	2.6			Managed Opening	Trees are mostly basswood and sugar maple. Some basswood pushing 24" DBH. Scattered cherry shrubs and some autumn olive. Abundant little blue stem and bracken fern.																																								
57	310 - Herbaceous Openland	Nonstocked	1.1	0		No	-well site, too much snow to evaluate level 4 coding																																								
58	310 - Herbaceous Openland	Nonstocked	1.0	0		No	-well site, too much snow to evaluate level 4 coding																																								
59	3301 - Low Density Deciduous Trees	Nonstocked	1.7	0		No																																									



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60	6120 - Lowland Cedar	Sawtimber Well	65.1	105	141-170	N/A																																									
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62	623 - Emergent Wetland	Nonstocked	3.3			No	marsh, very wet, grasses and cattail																																								
63	623 - Emergent Wetland	Nonstocked	2.6			No	marsh, tamarack to north and alder spruce fir to south																																								
64	6124 - Lowland Spruce-Fir	Sapling Medium	5.1	22	1-50	N/A	-saplings with minimal overstory -lowland shrub mixed it -overstory appears to have converted to lowland conifers in the subcanopy																																								
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