

Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54017 Entry Year 2026 Acreage: 1,056

County Montmorency

Management Area: Avery Hills

Stand Examiner: Darrick Coy

Legal Description:

T29N, R02E, Section 36; T29N, R03E, Section 31 & 32

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. Prescribed harvests will help balance aspen age classes and increase vigor in other cover types, sustainably produce various timber products, enhance game and non-game wildlife habitat, and provide for forest-based recreational uses.

Soil and topography:

Soils are mostly loamy sand complexes. Overall, the topography is rolling to flat. The dominant cover types are northern hardwood, aspen, and oak. The compartment forest habitat types are mostly PArVVb and AFO.

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

Ownership is mostly state to the north and south and private to the east and west. There are some private hunting lands at the east end and the Hunt Creek Research Area lies to the west of the compartment. Active oil and gas wells are scattered throughout the compartment.

Unique Natural Features:

Features exist and have been reported by MNFI within this compartment: Potential Occurrences- prairie or pale agoseris and red shouldered hawk

Contact Michigan Natural Features Inventory for more information or reporting. All proposed management activities have taken these concerns into consideration.

Archeological, Historical, and Cultural Features:

Sites exist. Contact the State Historical Preservation Office for more information or reporting of new sites. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

This compartment contains forest management areas dedicated to on-going MSU northern hardwood research.

Watershed and Fisheries Considerations:

Hunt Creek is a half mile away from section 6, but it is not a significant influence on this compartment.

Wildlife Habitat Considerations:

The following have been identified as featured species for this management area and are found in this compartment: Ruffed grouse, Wild turkey, White-tailed deer, and to a lesser extent black bear and pileated woodpecker. Based on the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest; extensive mature forest and large open grassland complexes; the retention of large, overmature trees and snags and the maintenance and expansion of hard mast and mesic conifer components.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial production of metallic minerals in this part of the state. The nearest active sand/gravel pit is more than three miles away. There is potential for sand & gravel in the compartment, but it might be too far from populated areas (markets) to have much economic potential beyond use by the county road commission or DNR for local road maintenance. In addition, any sand & gravel development would need to avoid oil & gas facilities. This area has been developed for and is producing gas from the Antrim Shale. All State-owned mineral rights in the compartment are currently leased and held by production. Potential for any additional Antrim development in the compartment in the future is considered low. No known potential exists for oil & gas from other known producing formations.

Vehicle Access:

Hunt Creek and Eberly are the main county roads. State forest roads intersecting with these roads are mainly used by

natural gas/oil companies.

View the status of state forest roads open to use within the Michigan DNR interactive roads viewer website.

Survey Needs:

None known.

Recreational Facilities and Opportunities:

Hunt Creek Motorcycle Trail

View the status of state forest roads and trails open to motorized and non-motorized use within the Michigan DNR interactive road and trail viewer websites.

Fire Protection:

Fire response is provided by the Atlanta Field Office and Lewiston VFD. Response time is adequate and cover types are primarily deciduous with a less severe fire threat. Some state forest roads are in poor condition and steep slopes may create access problems.

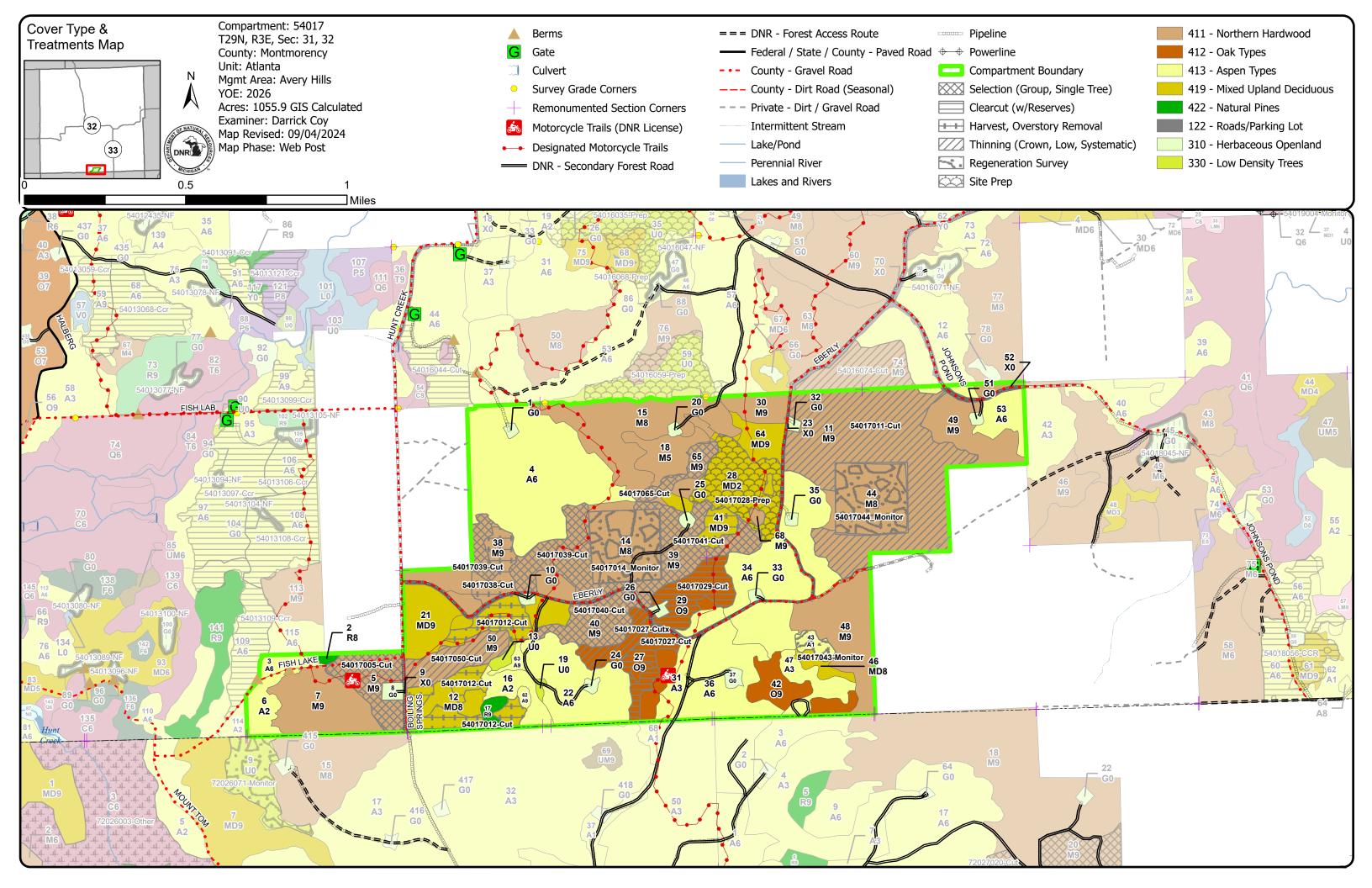
Additional Compartment Information:

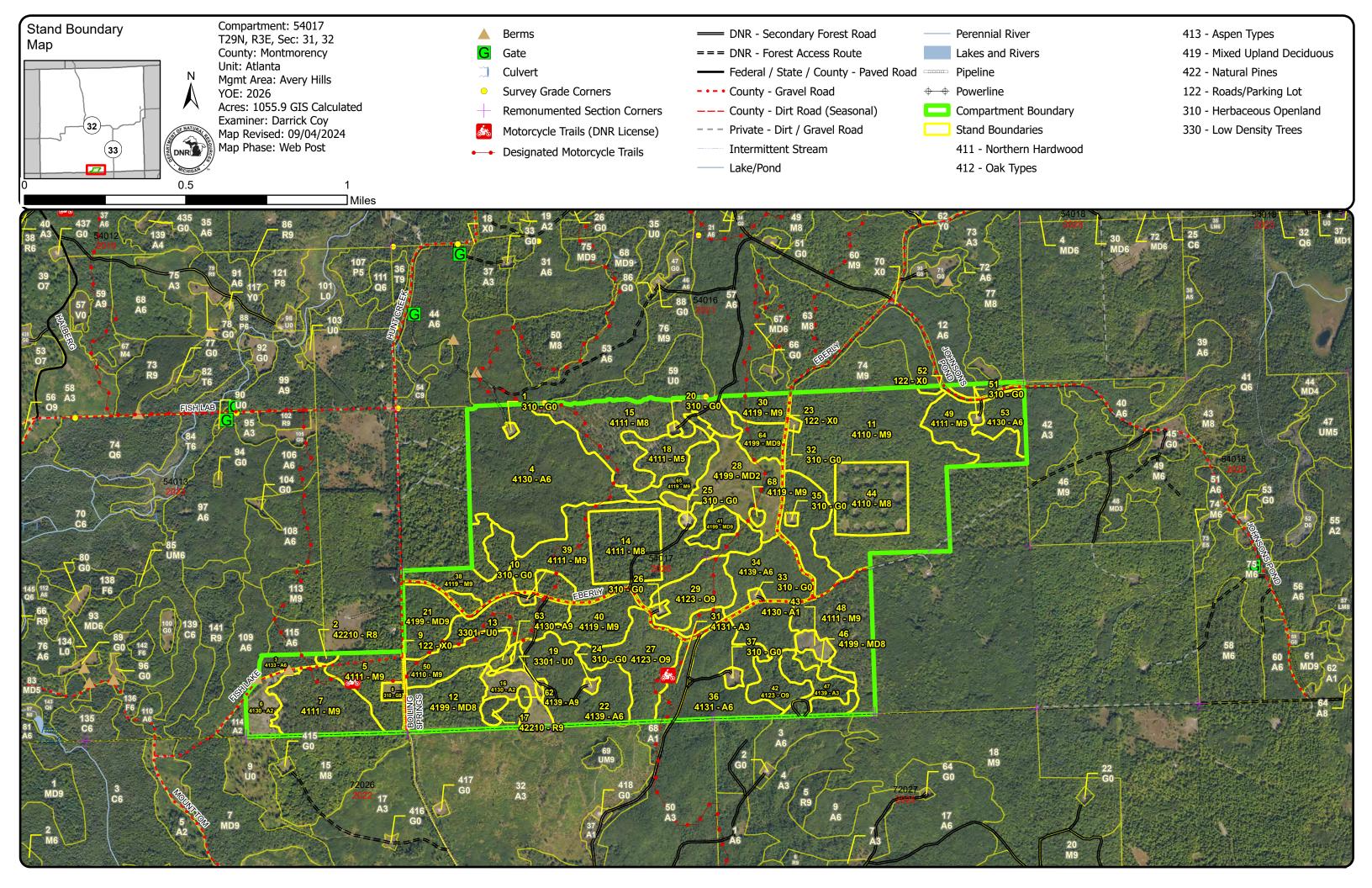
The following reports from the Inventory are attached:

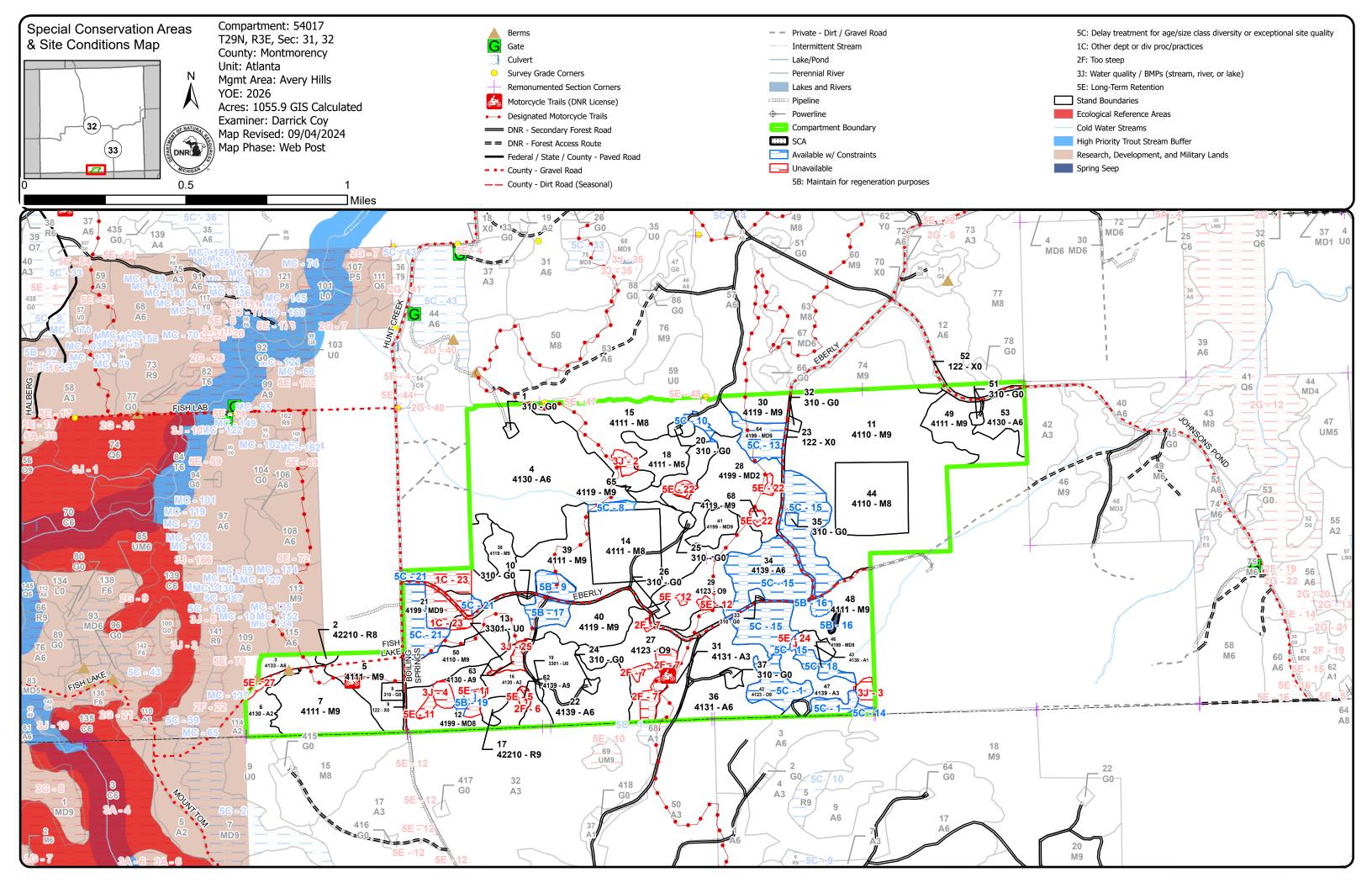
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Atlanta Mgt. Unit

Compartment 17 Year of Entry 2026



Darrick Coy: Examiner

Age Class

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Aspen	0	27	12	14	181	6	63	0	0	0	4	0	0	0	0	0	0	0	306	
Herbaceous Openland	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Mixed Upland Deciduous	0	35	0	0	0	0	0	0	0	0	0	93	0	0	0	0	0	0	127	
Northern Hardwood	0	0	0	0	0	0	0	0	0	170	200	144	0	0	0	0	0	0	514	
Oak	0	0	0	0	0	0	0	0	0	0	21	48	0	0	0	0	0	0	69	
Red Pine	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	4	
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
Total	33	62	12	14	181	6	63	0	3	170	225	286	0	0	0	0	0	0	1053	



Report 2 – Treatment Summary

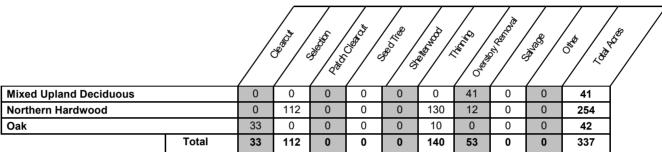
Atlanta Mgt. Unit Year of Entry: 2026

Acres of Harvest

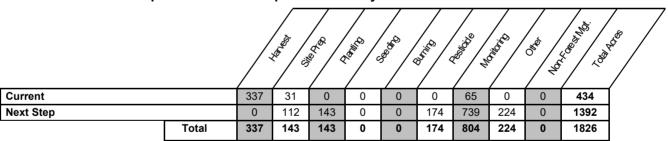
Compartment 17
Total Compartment Acres: 1,056

Commercial Harvest - 337 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



n d Report 3 -- Treatments

Compartment: 17

Year of Entry: 2026

										MICHIGAN .
Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Proposed Treatments:

74 54016074-Cut 23.8 4111 - S.Maple, Sawtimber 95 81-110 Harvest Crown Thinning 411 - Northern Even-Aged Nο Hard Mast Well Hardwood

Association

Prescription -thin to 70 BA residual Specs: -cut all ironwood and beech -do not cut all aspen in sale specs

> -mark 1 healthy beech and/or ironwood to leave every 2-3 acres -do not mark trees to cut alongside slopes greater than 35% -no tree-length skidding to protect slopes and residual trees

Next Step Treatments:

Acceptable Regen:

-include adjacent compartment 17 thinning treatment in the same timber sale <u>Other</u>

Comment: Site Condition

Proposed Start Date: 10/1 /2025

54017005-Cut 4111 - S.Maple. 21.3 Sawtimber 97 81-110 Harvest Group Selection 4111 - S.Maple, Uneven-Nο Hard Mast Well Hard Mast Aged

Association Association

Prescription -group selection cut

acceptable

-in areas concentrated with mature timber (16+ inches DBH (mostly oak)), decline, or severely poor form trees, mark to cut 135ft (tolerant Specs: and mid-tolerant average) diameter regeneration gaps from bole to bole of outer trees

-regeneration gaps should be painted every 3 acres and be separated by a minimum of 75ft of intact forest

-require placing of tops and other heavy slash outside cut gaps to allow future cultivation work

-after gaps are designated, using a different paint color, mark to cut remaining area outside of regeneration gaps to 80 residual BA

-cut all ironwood and beech -do not cut all aspen in sale specs

-mark 1 healthy beech and/or ironwood to leave every 2-3 acres

-require 6-inch gap stump heights or less in sale specs

-do not mark trees to cut alongside slopes greater than 35%

-no tree-length skidding to protect slopes and residual trees

-protect Hunt Creek Motorcycle trail in timber sale specifications

Monitoring, Natural Regen (Re-Inventory): Other, Pre-Commercial Thinning - Hand: Pesticide, Skidder - Site Prep. SitePrep. Next Step Treatments: Scarification; Planting, Hardwood - Seedling; Monitoring, Natural Regen (Re-Inventory); Monitoring, Artificial Regen(1yr

Acceptable -a combination maple, basswood, oak, aspen, and pine of medium to high stocking with minor associates of beech, ash, and ironwood is

-survey regeneration gaps 2-3 growing seasons after cut is complete

Suggested Management Follow-up (pending natural regeneration fails and is dominated by ironwood, beech, or ash):

-establish a department approved medium to high stocking mix of more desirable northern hardwood (oak, sugar maple, ash, and basswood) and/or white pine using herbicide, scarification, and planting as necessary for gaps

-if planting gaps is delayed, and less desirable regeneration competition has been reduced, allow for a longer regeneration period

-Northern Hardwood regeneration research gaps in stands 14 and 44 received herbicide and scarification cultivation work to promote natural regeneration. Reference the Walters project gap regeneration results to assist in determining appropriate cultivation follow-up work.

Other Comment:

Regen:

Site Condition

Proposed Start Date: 10/1 /2025

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 17 s Year of Entry: 2026 t а **Treatment** Stand BA **Treatment Treatment** Cover Type Acres Stand Size Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d 11 54017011-Cut 111.8 4110 - Sugar Maple Sawtimber 111-Harvest Crown Thinning 4111 - S.Maple. Even-Aged No Association Well 140 Hard Mast Association Prescription -thin to 80 BA residual Specs: -cut all ironwood and beech -do not cut all aspen in sale specs -mark 1 healthy beech and/or ironwood to leave every 2-3 acres -do not mark trees to cut alongside slopes greater than 35% -keep sale boundary away from interior hardwood research area (per MSU research staff consultation, thin up to outer edge of the 40-acre block but do not enter the interior) -no tree-length skidding to protect slopes and residual trees Next Step Treatments: Acceptable Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 54017012-Cut 4116 - Mixed N. 33.6 4199 - Other Mixed Sawtimber 101 51-80 Harvest Overstory Even-Aged Nο **Upland Deciduous** Medium Removal Hardwood Aspen Prescription -overstory removal -leave 10 residual BA mix of healthy mast trees Specs: -favor leaving sugar maple and pine where present -leave 3-10% in area retention (already excluded- see site conditions layer) -mark during leaf-off -no tree-length skidding to protect occurrences of more desirable northern hardwood regeneration -cut all ironwood and protect all other species under 4 inches dbh in sale specs -protect Hunt Creek Motorcycle trail in timber sale specifications Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -a combination maple, basswood, oak, aspen, pine, beech, ash, and ironwood of medium to high stocking is acceptable Regen: -mixed upland deciduous or aspen cover types are also acceptable **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 54017027-Cut 13.0 4123 - Red Oak Sawtimber 111-Harvest Clearcut with 4116 - Mixed N. Even-Aged No Well 140 Retention Hardwood -Aspen Prescription -clearcut -leave area retention for areas of steep terrain (already excluded- see site conditions layer) Specs: -protect Hunt Creek Motorcycle trail in timber sale specifications -no tree-length skidding to protect slopes Next Step Monitoring, Natural Regen (Intermediate) **Treatments:**

Acceptable -a combination of maple, basswood, oak, aspen, beech, ash, and ironwood, and pine of low to high stocking

-survey regeneration early (2-3 growing seasons after cut is complete)
 -mixed upland deciduous or aspen cover types are also acceptable

Site Condition

Regen:

Other Comment:

Proposed Start Date: 10/1 /2025

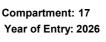
Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 17 s Year of Entry: 2026 t а **Treatment** Stand Stand BA **Treatment Treatment** Cover Type Acres Size Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d 27 54017027-4123 - Red Oak Sawtimber 111-Harvest Crown Thinning 4123 - Red Oak Even-Aged No Cutx Well 140 Prescription -thin to 80 BA residual Specs: -cut all ironwood and beech -do not cut all aspen in sale specs -mark 1 healthy beech and/or ironwood to leave every 2-3 acres -do not mark trees to cut alongside slopes greater than 35% -no tree-length skidding to protect slopes and residual trees -protect Hunt Creek Motorcycle trail in timber sale specifications Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 54017029-Cut 19.6 4123 - Red Oak Sawtimber 94 141-Harvest Clearcut with 4116 - Mixed N. Even-Aged No Well Retention Hardwood -170 Aspen Prescription -clearcut -leave area retention for areas of steep terrain (already excluded- see site conditions layer) Specs: -protect Hunt Creek Motorcycle trail in timber sale specifications -no tree-length skidding to protect slopes Monitoring, Natural Regen (Intermediate) Next Step Treatments: Acceptable -a combination of maple, basswood, oak, aspen, beech, ash, and ironwood, and pine of low to high stocking Regen: -survey regeneration early (2-3 growing seasons after cut is complete) -mixed upland deciduous or aspen cover types are also acceptable **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 Sawtimber 105 51-80 4116 - Mixed N. Even-Aged 54017038-Cut 124 4119 - Mixed Harvest Overstory Nο 38 Northern Hardwoods Well Removal Hardwood -Aspen Prescription -partial stand harvest -overstory removal Specs: -leave 10 residual BA mix of healthy mast trees -favor leaving sugar maple and pine where present -leave 3-10% in area retention (already excluded- see site conditions layer) -do not cut 5B or 1C areas of this stand (already excluded- see site conditions layer) -mark during leaf-off -no tree-length skidding to protect occurrences of more desirable northern hardwood regeneration -cut all ironwood, leave none for establishing more desirable regeneration -mark during leaf-off Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable -a combination maple, basswood, oak, aspen, pine, beech, ash, and ironwood of medium to high stocking is acceptable Regen: -mixed upland deciduous or aspen cover types are also acceptable

Proposed Start Date: 10/1 /2025

Other Comment:
Site Condition

Size

Stand



Age

Cover Type



Method Objective Name CoverType Density Age Range Type Structure Cut d 39 54017039-Cut 62.4 4111 - S.Maple. Sawtimber 105 81-110 Harvest Group Selection 4111 - S.Maple. Uneven-No Hard Mast Hard Mast Well Aged Association Association

Treatment

Treatment

Prescription -group selection cut

Treatment

-in areas concentrated with mature timber (16+ inches DBH (mostly oak)), decline, or severely poor form trees, mark to cut 135ft (tolerant Specs: and mid-tolerant average) diameter regeneration gaps from bole to bole of outer trees

BA

-regeneration gaps should be painted every 3 acres and be separated by a minimum of 75ft of intact forest

Stand

- -require placing of tops and other heavy slash outside cut gaps to allow future cultivation work
- -after gaps are designated, using a different paint color, mark to cut remaining area outside of regeneration gaps to 80 residual BA
- -cut all ironwood and beech
- -do not cut all aspen in sale specs
- -mark 1 healthy beech and/or ironwood to leave every 2-3 acres
- -require 6-inch gap stump heights or less in sale specs
- -do not mark trees to cut alongside slopes greater than 35%
- -no tree-length skidding to protect slopes and residual trees
- -protect Hunt Creek Motorcycle trail in timber sale specifications
- -keep sale boundary away from interior hardwood research area (per MSU research staff consultation, thin up to outer edge of the 40-acre block but do not enter the interior)
- -protect Hunt Creek Motorcycle trail in timber sale specifications

Monitoring, Natural Regen (Re-Inventory); Other, Pre-Commercial Thinning - Hand; Pesticide, Skidder - Site Prep; SitePrep, Next Step **Treatments:** Scarification; Planting, Hardwood - Seedling; Monitoring, Natural Regen (Re-Inventory); Monitoring, Artificial Regen(1yr

<u>Acceptable</u> Regen:

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-a combination maple, basswood, oak, aspen, and pine of medium to high stocking with minor associates of beech, ash, and ironwood is acceptable

-survey regeneration gaps 2-3 growing seasons after cut is complete

Suggested Management Follow-up (pending natural regeneration fails and is dominated by ironwood, beech, or ash):

- -establish a department approved medium to high stocking mix of more desirable northern hardwood (oak, sugar maple, ash, and basswood) and/or white pine using herbicide, scarification, and planting as necessary for gaps
- -if planting gaps is delayed, and less desirable regeneration competition has been reduced, allow for a longer regeneration period
- -Northern Hardwood regeneration research gaps in stands 14 and 44 received herbicide and scarification cultivation work to promote natural regeneration. Reference the Walters project gap regeneration results to assist in determining appropriate cultivation follow-up work.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Type

Method

Objective

Structure

Cut

40	54017040-Cut	20.1	4119 - Mixed	Sawtimber	103	81-110	Harvest	Group Selection	4119 - Mixed	Uneven-	No
		N	Iorthern Hardwood	s Well					Northern	Aged	
									Hardwoods		

Range

Prescription -group selection cut

Name

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Specs: -in areas concentrated with mature timber (16+ inches DBH (mostly oak)), decline, or severely poor form trees, mark to cut 135ft (tolerant

and mid-tolerant average) diameter regeneration gaps from bole to bole of outer trees

Density

-regeneration gaps should be painted every 3 acres and be separated by a minimum of 75ft of intact forest

Age

-require placing of tops and other heavy slash outside cut gaps to allow future cultivation work

-after gaps are designated, using a different paint color, mark to cut remaining area outside of regeneration gaps to 80 residual BA

-cut all ironwood and beech

-do not cut all aspen in sale specs

-mark 1 healthy beech and/or ironwood to leave every 2-3 acres

-require 6-inch gap stump heights or less in sale specs

CoverType

-do not mark trees to cut alongside slopes greater than 35%

-no tree-length skidding to protect slopes and residual trees

-protect Hunt Creek Motorcycle trail in timber sale specifications

Next Step Monitoring, Natural Regen (Re-Inventory); Other, Pre-Commercial Thinning - Hand; Pesticide, Skidder - Site Prep; SitePrep, Treatments: Scarification; Planting, Hardwood - Seedling; Monitoring, Natural Regen (Intermediate); Monitoring, Artificial Regen(1yr

Acceptable -a combination maple, basswood, oak, aspen, and pine of medium to high stocking with minor associates of beech, ash, and ironwood is acceptable

-survey regeneration gaps 2-3 growing seasons after cut is complete

Suggested Management Follow-up (pending natural regeneration fails and is dominated by ironwood, beech, or ash):

-establish a department approved medium to high stocking mix of more desirable northern hardwood (oak, sugar maple, ash, and basswood) and/or white pine using herbicide, scarification, and planting as necessary for gaps

-if planting gaps is delayed, and less desirable regeneration competition has been reduced, allow for a longer regeneration period

-Northern Hardwood regeneration research gaps in stands 14 and 44 received herbicide and scarification cultivation work to promote natural regeneration. Reference the Walters project gap regeneration results to assist in determining appropriate cultivation follow-up work.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

41	54017041-Cut	7.1 4199 - Other Mixed	Sawtimber	105	51-80	Harvest	Overstory	4116 - Mixed N.	Even-Aged	No
		Upland Deciduous	Well				Removal	Hardwood -		
								Aspen		

Prescription -overstory removal

Specs: -leave 10 residual BA mix of healthy mast trees

-favor leaving sugar maple and pine where present

-leave 3-10% in area retention (already excluded- see site conditions layer)

-mark during leaf-off

-no tree-length skidding to protect occurrences of more desirable northern hardwood regeneration

-cut all ironwood, leave none for establishing more desirable regeneration

-mark during leaf-off

-protect Hunt Creek Motorcycle trail in timber sale specifications

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>

<u>rreauments</u>

<u>Acceptable</u> -a combination of maple, basswood, oak, aspen, and pine of medium to high stocking with minor associates of beech, ash, and ironwood is

Regen: acceptable

-mixed upland deciduous or aspen cover types are also acceptable

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Atlanta Mgt. Unit Report 3 -- Treatments Compartment: 17
Year of Entry: 2026

Northern Hardwoods

t а **Treatment** Stand Stand BA **Treatment Treatment** Cover Type Acres Size Age Habitat n Objective Name CoverType Density Age Range Type Method Structure Cut Ч 50 54017050-Cut 18.1 4110 - Sugar Maple Sawtimber 111-Harvest Crown Thinning 4119 - Mixed Even-Aged No

140

Prescription Specs: -thin to 80 BA residual -cut all ironwood and beech -do not cut all aspen in sale specs

-mark 1 healthy beech and/or ironwood to leave every 2-3 acres
 -do not mark trees to cut alongside slopes greater than 35%
 -no tree-length skidding to protect slopes and residual trees
 -protect Hunt Creek Motorcycle trail in timber sale specifications

Association

Next Step Treatments:

s

Acceptable
Regen:
Other

Comment:
Site Condition

Proposed Start Date: 10/1 /2025

54017065-Cut 8.2 4119 - Mixed Sawtimber 97 111-Harvest **Group Selection** 4119 - Mixed Uneven-No Northern Hardwoods Well 140 Northern Aged Hardwoods

Prescription -group selection cut

Specs: -in areas concentrated with mature timber (16+ inches DBH (mostly oak)), decline, or severely poor form trees, mark to cut 135ft (tolerant

and mid-tolerant average) diameter regeneration gaps from bole to bole of outer trees

Well

-regeneration gaps should be painted every 3 acres and be separated by a minimum of 75ft of intact forest

-require placing of tops and other heavy slash outside cut gaps to allow future cultivation work

-after gaps are designated, using a different paint color, mark to cut remaining area outside of regeneration gaps to 80 residual BA

-cut all ironwood and beech -do not cut all aspen in sale specs

-mark 1 healthy beech and/or ironwood to leave every 2-3 acres

-require 6-inch gap stump heights or less in sale specs

-do not mark trees to cut alongside slopes greater than 35%

-no tree-length skidding to protect slopes and residual trees

Next Step Monitoring, Natural Regen (Re-Inventory); Other, Pre-Commercial Thinning - Hand; Pesticide, Skidder - Site Prep; SitePrep, Treatments: Scarification; Planting, Hardwood - Seedling; Monitoring, Natural Regen (Re-Inventory); Monitoring, Artificial Regen(1yr

Acceptable -a combination Regen: acceptable

-a combination maple, basswood, oak, aspen, and pine of medium to high stocking with minor associates of beech, ash, and ironwood is acceptable

-survey regeneration gaps 2-3 growing seasons after cut is complete

Suggested Management Follow-up (pending natural regeneration fails and is dominated by ironwood, beech, or ash):

-establish a department approved medium to high stocking mix of more desirable northern hardwood (oak, sugar maple, ash, and basswood) and/or white pine using herbicide, scarification, and planting as necessary for gaps

-if planting gaps is delayed, and less desirable regeneration competition has been reduced, allow for a longer regeneration period

-Northern Hardwood regeneration research gaps in stands 14 and 44 received herbicide and scarification cultivation work to promote natural regeneration. Reference the Walters project gap regeneration results to assist in determining appropriate cultivation follow-up work.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Approved Treatments:

54017014 Mo 30.2 4111 - S.Maple, Sawtimber 105 81-110 Natural Regen 411 - Northern Uneven-No Monitoring nitor Hard Mast Medium (Intermediate) Hardwood Aged Association

Prescription Will be done by MSU staff

Specs:

Atlanta Mgt. Unit Report 3 -- Treatments

Stand

Age

BA

Range

Treatment

Type

Treatment

Method

Size

Density

Compartment: 17 Year of Entry: 2026

Age

Structure

Cover Type

Objective

DNR DOR NATURAL PROPERTY OF NATURAL PROPERTY O

Cut

Next Step
Treatments:

Treatment

Name

Acceptable A diverse mix of northern hardwood species.

Acres

Stand

CoverType

Regen:

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d

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

28 54017028- 31.1 4199 - Other Mixed Sapling 6 Immatu SitePrep Trenching 42110 - Planted Even-Aged No

Prep Upland Deciduous Medium re Red Pine

Prescription C54-1196; Trench for the planting of red pine.

Specs:

Next Step Pesticide, Skidder - Release; ; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring,

<u>Treatments:</u> Herbicide Use; Monitoring, Artificial Regen(3yr)

Acceptable -fully stocked red pine with minor deciduous associates

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

43 54017043- 4.5 4130 - Aspen Sapling 2 Immatu Monitoring Natural Regen 413 - Aspen Even-Aged No

Monitor Poor re (Re-Inventory)

<u>Prescription</u> -survey regeneration during next inventory

Specs:

Next Step Treatments:

Acceptable -acceptable regeneration is aspen, maple, basswood, pine, ash, oak, and beech of medium to high stocking

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2026

44 54017044_Mo 30.4 4110 - Sugar Maple Sawtimber 85 81-110 Monitoring Natural Regen 411 - Northern Uneven-No nitor Association Medium (Intermediate) Hardwood Aged

Prescription MSU staff will do the survey

Specs:

Next Step
Treatments:

Acceptable A diverse mix of northern hardwood species.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Total Treatment 457.3 Acreage Proposed:

Atlanta Mgt. Unit

4%

Darrick Coy: Examiner

Compartment: 17
Year of Entry: 2026



Availability for Management Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 5C 1C 2F 3J 5E Acres 5B Aspen Herbaceous Openland Low-Density Trees Mixed Upland Deciduous Northern Hardwood Oak **Red Pine** Urban 1,056 **Total Forested Acres**

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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
	2024 0: 40:52 AM . Dawa						TONELLO

83%

12%

Atlanta Mgt. Unit

Darrick Coy: Examiner



4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
5	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
	comments: rea retention for s	stand 16					
6	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
7	Unavailable	2F: Too steep	9	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
9	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
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Atlanta Mgt. Unit

Darrick Coy: Examiner



11	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
12	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
C	comments:						
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	63	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
16	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
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Atlanta Mgt. Unit

Darrick Coy: Examiner



17	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
19	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: area retention for s	tand 28					
23	Unavailable	1C: Other dept or div proc/practices	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
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Atlanta Mgt. Unit

Darrick Coy: Examiner



24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: area retention for st	and 43					
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: vernal pond bufferir	ng area					
27	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: area retention for st	and 6					

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				

Atlanta Mgt. Unit Compartment: 17
Year of Entry 2026



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.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
	Research and Military Areas	include the 5,847 acre Forest Fire Experiment Sta Area, the Beaver Islands Archipelago Wildlife Res High and Hog Islands, all state owned land on Bea	lly dedicated for research, or other purposes. They lation, the 12,000 acre Houghton Lake Wildlife Research search Area (that includes most of Garden Island, all of aver, South Fox and North Fox Islands), the Cusino lek Fisheries Research Station, the 125 acre Wyman s.

Report 7 - Stands



Stand	Level 4 C	over Type	s	ize De	nsity	Acres	Stand Age	BA Range	Managed \$	Site	General Comments
1	310 - Herbac	ceous Oper	ıland	Nonsto	cked	1.0		Unspecified			gas well
2	42210 - Na	tural Red P	ine Saw	/timbei	Mediu	m 1.2	101	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Sugar Maple	5	Log	14		Sug	gar Maple	Medium	Variable	Sapling	
	Basswood	5	Log	13		Servicebe	erry (Juneberr	ry) Low	5 - 10 feet	Tall Shrub	
	Red Pine	90	Log/XLog	17	101	Iro	onwood	High	Variable	Sapling	
						W	hite Ash	Medium	Variable	Sapling	
3	4133 - Aspe	en, Mixed F	Pine Po	oletimb	er Wel	5.8	45	81-110	N/A		-more wp to ne half
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Red Oak	2	XLog	25		Re	ed Maple	Medium	Variable	Sapling	
	White Pine	18	Pole/Log	8		Iro	onwood	Medium	Variable	Sapling	
	Bigtooth Aspen	70	Pole	7	45	Servicebe	erry (Juneberr	y) Medium	5 - 10 feet	Tall Shrub	
	Red Pine	5	XLog/Log	19		R	ed Oak	Low	< 5 feet	Seeding	
	Red Oak	5	Pole	7		Strip	oed Maple	Medium	5 - 10 feet	Sapling	
					<u>.</u>	Wit	tch Hazel	Medium	5 - 10 feet	Tall Shrub	
4	4130	- Aspen	Po	oletimb	er Wel	91.9	35	1-50	N/A		-clearcut completed 7/8/87
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	-54-016-86-01 Rainy Day Sale -cut all trees except aspen, beech, and oak with green paint
	Red Oak	10	Pole	5		Sug	gar Maple	Medium	Variable	Sapling	-past proposal volume= 54% aspen, 26% mhwd, 11% oak, 7% bsw, &
	White Pine	5	Pole/Sapling	5		W	hite Ash	Medium	Variable	Sapling	2% birch
	Sugar Maple	7	Sapling/Pole	4		Re	ed Maple	Low	Variable	Sapling	-appears that they left mostly oak and some aspen to NW 1/4 of stand
	Red Oak	2	XLog	19		R	ed Oak	Low	Variable	Sapling	
	Quaking Aspen	23	Pole/Sapling	5		Iro	onwood	Medium	Variable	Sapling	
	Basswood	3	Pole/Sapling	5							
	Bigtooth Aspen	50	Pole/Sapling	5	35						
5	4111 - S.Maple, H	ard Mast A	ssociation Sa	awtimb	er Wel	21.5	97	81-110	N/A		-selection cut completed 9/16/98
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	-54-031-96-01 Hunt Creek Rd Hwd -cut all trees with orange paint
	Ironwood	1	Pole	7		Iro	onwood	High	10 - 20 feet	Sapling	-BA was 103 on 4/24/24 using 11-point average
	Bigtooth Aspen	1	XLog	18		-	Beech	High	10 - 20 feet	Sapling	-canopy maturity composition (15+" DBH) is 42% of the basal area: 51%
	Red Maple	6	Log/Pole	10		W	hite Ash	Low	10 - 20 feet	Sapling	(22 BA) oak, 13% (6 BA) basswood, and 36% (15.5 BA) sugar maple see attached reports for more specific information
	Basswood	22	Log/Pole	13		Sug	gar Maple	Medium	>20 feet	Sapling	
	Sugar Maple	44	Log/Pole	12	97						
	Beech	6	Log/Pole	11							
	Red Oak	20	XLog	23							

Report 7 - Stands



Stand	d Level 4 C		Size Density			Stand Age	BA Range	Managed S	ite	General Comments	
6	4130	- Aspen	;	Sapling M	edium	10.9	2	Immature	N/A		-clearcut complete 7/28/21
	Canopy Species	% Cover	Size Class	DBH	Age						
	Red Maple	15	Sapling	1							
	Bigtooth Aspen	65	Sapling	1	2						
	Ironwood	5	Sapling	1							
	Red Pine	5	Sapling	1							
	Red Oak	2	Log	14							
	Beech	5	Sapling	1							
	Red Pine	3	XLog/Log	20							
7	4111 - S.Maple, H	lard Mast As	ssociation	Sawtimbe	r Well	33.5	94	51-80	N/A		-see attached reports for more detailed information
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	-selection cut completed 9/16/98 -group selection (actual was more of a selection or thinning) cut complete
	Bigtooth Aspen	1	Log	13			Beech	Low	< 5 feet	Seeding	8/19/21
	Sugar Maple	50	Log/Pole	11	94	Iro	onwood	Medium	< 5 feet	Seeding	-54-031-96-01 Hunt Creek Rd Hwd
	Basswood	14	Log/Pole	12		Sug	jar Maple	Low	< 5 feet	Seeding	-cut all trees with orange paint -mature oak
	Red Oak	30	XLog/Log	22	112	Sug	jar Maple	Low	>20 feet	Sapling	-canopy maturity composition (15+" DBH) is 36% of the basal area: 89%
	Red Maple	4	Log	15		WI	hite Ash	Low	< 5 feet	Seeding	oak, 3% basswood, and 7% sugar maple
	Beech	1	XLog	18				1		I	¹ -higher BA in south half -overall BA is 69 on 4/24/24
8	310 - Herbad	ceous Open	land	Nonstoo	ked	2.3		Unspecified			
9	122 - Roa	d/Parking Lo	ot	Nonstoc	ked	1.5		Unspecified	No		
10	310 - Herbad	ceous Open	land	Nonstoo	ked	1.1		Unspecified			-gas well
11	4110 - Sugar N	Maple Assoc	ciation	Sawtimbe	r Well	113.6	85	111-140	N/A		-Thinning completed 1/17/01 -57-006-98-01 Pop Hardwood
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Specie	es Density	Avg. Height	Size	-37-000-96-01 Fop Hardwood -cut marked trees only
	Sugar Maple	59	Log/Pole	11	85	Sug	jar Maple	Low	>20 feet	Sapling	-proposal volume= 8% aspen, 39% mixed hwd, 53% basswood
	Ironwood	2	Pole	5		WI	hite Ash	Low	Variable	Sapling	-high in small logs -cored 12 and 14 in sm and 13in bsw, 85 ave age, old inventory was 108
	Bigtooth Aspen	3	Log	14		Irc	onwood	High	10 - 20 feet	Sapling	-cored 12 and 14 in sm and 13in bsw, 85 ave age, old inventory was 108
	Beech	2	Log/Pole	13		E	Beech	High	10 - 20 feet	Sapling	-canopy maturity composition (15+" DBH) is 17% of the basal area based
	Basswood	28	Log/Pole	11							off 24-point swings
	Red Oak	6	XLog/Log	18							

t 7 – Stands

Sapling

OF NATURAL PARTY OF NAT

Compartment: 17

Year of Entry: 2026

and Level 4	Cover Type	S	ize De	ensity	Acres Stand Age B	A Kange	Managed S	oite	General Comments
2 4199 - Other M	xed Upland [Deciduous Saw	timbe	Medium	51.0 101	51-80	N/A		-merged this area from past thinning and shelterwood cuts due to simi
Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	composition and basal area -more open and poorer quality mast timber
Red Pine	2	Log	15		Striped Maple	Medium	5 - 10 feet	Tall Shrub	-south half of this stand was shelterwood prep RX completed 5/12/97
Black/Red (Hybrid) O	ak 1	Log	15		Sugar Maple	Medium	Variable	Sapling	-54-002-96-01 managed hwd
Red Oak	24	Log/XLog/Pole	16	101	Beech	Medium	Variable	Sapling	-cut all aspen and birch -proposal vol.= 91% aspen & 9% birch
Bigtooth Aspen	9	Log	13		Red Oak	Low	Variable	Sapling	BA ranges from 30 to 100.
Beech	11	Log	14		White Ash	Low	Variable	Sapling	-north half of this stand thinning completed 1/16/03
Basswood	6	Log/XLog	15		Bigtooth Aspen	Medium	10 - 20 feet	Sapling	-54-014-99-01 Pop Two -cut marked trees
White Pine	1	XLog	36		Ironwood	Medium	Variable	Sapling	-proposal volume= 1/3 bsw and 2/3rds mixed hwd
Red Maple	7	Log/Pole	11						-canopy maturity composition (15+" DBH) is 48% of the basal area: 40
Quaking Aspen	5	Log	14						(10 BA) oak, 9% (2 BA) basswood, and 51% (13 BA) sugar maple -see attached reports for more specific information
Sugar Maple	33	Log/Pole	12	101					-see attached reports for more specific information
Ironwood	1	Pole	6						
4 4111 - S.Maple,	Hard Mast A	ssociation Saw			31.1 105	81-110	N/A		-west half thinning was heavy and is high to ironwood
Canopy Species		ssociation Saw	DBF	Medium	31.1 105 Sub-Canopy Species	Density	Avg. Height	Size	thinning completed 1/16/03
<u> </u>			DB-			Density High	Avg. Height 10 - 20 feet	Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two
Canopy Species	% Cover	Size Class	13 23		Sub-Canopy Species	Density High Medium	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees
Canopy Species Basswood Bigtooth Aspen Ironwood	20 3 2	Size Class Log/Pole	DB-		Sub-Canopy Species Ironwood Beech Striped Maple	Density High Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet	Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak	20 3 2 25	Size Class Log/Pole XLog	13 23 6 17		Sub-Canopy Species Ironwood Beech	Density High Medium	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed
Canopy Species Basswood Bigtooth Aspen Ironwood	20 3 2	Size Class Log/Pole XLog Pole	13 23 6 17 8		Sub-Canopy Species Ironwood Beech Striped Maple	Density High Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet	Sapling Sapling Tall Shrub	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak	20 3 2 25 2 8	Size Class Log/Pole XLog Pole Log/XLog	DBH 13 23 6 17 8 13	I Age	Sub-Canopy Species Ironwood Beech Striped Maple White Ash	Density High Medium Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Tall Shrub Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch	20 3 2 25 2	Size Class Log/Pole XLog Pole Log/XLog Pole	13 23 6 17 8	I Age	Sub-Canopy Species Ironwood Beech Striped Maple White Ash	Density High Medium Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Tall Shrub Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used w Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfully.
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech	20 3 2 25 2 8	Size Class Log/Pole XLog Pole Log/XLog Pole Log/Pole	DBH 13 23 6 17 8 13	I Age	Sub-Canopy Species Ironwood Beech Striped Maple White Ash	Density High Medium Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Tall Shrub Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple	20 20 3 2 25 2 8 40	Size Class Log/Pole XLog Pole Log/XLog Pole Log/Pole	DBH 13 23 6 17 8 13	1 Age	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple	Density High Medium Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Tall Shrub Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfullyScarification completed 8/4/20. It had 1.8 acres done.
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple	20 20 3 2 25 2 8 40 Hard Mast A	Pole Log/XLog Pole Log/XLog Pole Log/Pole Log/Pole Log/Pole	DBH 13 23 6 17 8 13 11	1 Age	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple	Density High Medium Medium Medium Low	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet >20 feet	Sapling Sapling Tall Shrub Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfully -Scarification completed 8/4/20. It had 1.8 acres done.
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple	20 20 3 2 25 2 8 40 Hard Mast A	Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Ssociation Saw	DBH 13 23 6 17 8 13 11	105	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple	Density High Medium Medium Medium Low	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet >20 feet	Sapling Sapling Tall Shrub Sapling Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfullyScarification completed 8/4/20. It had 1.8 acres done.
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple 5 4111 - S.Maple, Canopy Species	20 3 2 25 2 8 40 Hard Mast A	Size Class Log/Pole XLog Pole Log/XLog Pole Log/Pole Log/Pole Ssociation Saw	DBH 13 23 6 17 8 13 11	105	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple 49.5 91 Sub-Canopy Species	Density High Medium Medium Medium Low 51-80 Density	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet >20 feet N/A Avg. Height	Sapling Sapling Tall Shrub Sapling Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfully -Scarification completed 8/4/20. It had 1.8 acres done. -see attached 2013 qd -some steep ridges -vernal pool in south end of stand
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple 5 4111 - S.Maple, Canopy Species Sugar Maple	20 3 2 25 2 8 40 Hard Mast A 6 % Cover 25	Pole XLog Pole Log/XLog Pole Log/Pole Log/Pole Log/Pole Ssociation Saw Pole/Log	DBH 13 23 6 17 8 13 11 ttimbel	105	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple 49.5 91 Sub-Canopy Species White Ash	Density High Medium Medium Medium Low 51-80 Density Low	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet >20 feet N/A Avg. Height < 5 feet	Sapling Sapling Tall Shrub Sapling Sapling Sapling Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used w Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfullyScarification completed 8/4/20. It had 1.8 acres done. -see attached 2013 qd -some steep ridges -vernal pool in south end of stand
Canopy Species Basswood Bigtooth Aspen Ironwood Red Oak Paper Birch Beech Sugar Maple 5 4111 - S.Maple, Canopy Species Sugar Maple Basswood	20 3 2 25 2 8 40 40 40 40 40 40 40	Size Class Log/Pole XLog Pole Log/XLog Pole Log/Pole Log/Pole Ssociation Saw Size Class Pole/Log Log/Pole	DBH 13 23 6 17 8 13 11 timbel 9	105	Sub-Canopy Species Ironwood Beech Striped Maple White Ash Sugar Maple 49.5 91 Sub-Canopy Species White Ash Ironwood	Density High Medium Medium Medium Low 51-80 Density Low Medium	Avg. Height 10 - 20 feet 10 - 20 feet 5 - 10 feet 10 - 20 feet >20 feet N/A Avg. Height < 5 feet < 5 feet	Sapling Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Seeding Sapling	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range -54-014-99-01 Pop Two -cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -40-acre area to east was selection harvested within Winter 2017-201 and tops were removed -this 40-acre area selection harvested is part of a MSU northern hardwood regeneration project -Spraying completed 6/24/20. It had two acres sprayed. Chem used v Rodeo, Element, and Cygnet. Quarts per acre 2, 1.3, 1.3 respectfullyScarification completed 8/4/20. It had 1.8 acres done. -see attached 2013 qd -some steep ridges -vernal pool in south end of stand

Medium

>20 feet

Red Oak

34

Log/Pole

13

Sugar Maple

Report 7 - Stands



Stan	d Level 4 C	over Type		Size Density	Acres Stand Ag	e BA Range	Managed S	Site	General Comments
16	4130	- Aspen		Sapling Medium	11.5 2	Immature	N/A		-clearcut complete 7/28/21
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	
	Red Maple	15	Sapling	1	Blackberry/Raspbe	rry Medium	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	50	Sapling	1 2					-
	White Pine	5	Sapling	1					
	Quaking Aspen	20	Sapling	1					
	Ironwood	10	Sapling	1					
17	42210 - Na	tural Red Pi	ine	Sawtimber Well	3.1 75	111-140	N/A		-might be uneven aged
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	-various sizes in rp -steep
	Red Pine	65	Log/Pole	13 75	Sugar Maple	Low	Variable	Sapling	-burnt stumps everywhere
	Bigtooth Aspen	20	Log/Pole	12	Red Maple	Medium	Variable	Sapling	
	Red Oak	15	Log/Pole	13	White Ash	Low	Variable	Sapling	
					Striped Maple	Medium	5 - 10 feet	Tall Shrub	
					Red Oak	Medium	Variable	Sapling	
18	4111 - S.Maple, H					51-80	N/A		-some steep terrain in places, most is workable
	Canopy Species		Size Class	DBH Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	-selection cut complete 10/28/21
	Bigtooth Aspen	2	Log	16	Sugar Maple	Medium	>20 feet	Seeding	·
	Paper Birch	11	Log/Pole	11	White Ash	Low	< 5 feet	Seeding	
	Basswood	24	Log/Pole	11	Ironwood	Medium	< 5 feet	Sapling	
	Red Oak	9	Log/XLog	17	Beech	Medium	< 5 feet	Sapling	
	Sugar Maple	53	Pole/Log	9 91					
	Beech	1	Pole/Log	9					
19	3301 - Low Dens	ity Deciduo	us Trees	Nonstocked	1.0	Unspecified	No		
20	310 - Herbac	eous Open	land	Nonstocked	1.0	Unspecified			gas well
21	4199 - Other Mixe	d Upland D		Sawtimber Well	19.2 103	81-110	N/A		-thinning completed 1/16/03 ₁ -54-014-99-01 Pop Two
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	-cut marked trees
	Bigtooth Aspen	2	XLog/Log	20	Sugar Maple	Low	>20 feet	Sapling	-proposal volume= 1/3 bsw and 2/3rds mixed hwd
					White Ash	Low	10 - 20 feet	Sapling	-canopy maturity composition (15+" DBH) is 51% of the basal area: 80%
	Red Oak	53	XLog/Log	20 103	Wille ASII	2011			(35 BA) oak 13% (2 BA) basswood and 18% (7 BA) sugar monto
	Red Oak Beech	53	Pole/Log	9	Beech	Medium	10 - 20 feet	Sapling	(35 BA) oak, 13% (2 BA) basswood, and 18% (7 BA) sugar maple south 1/3rd of stand was merged with stand 50, so, QD data is slightly
								Sapling Sapling	

Report 7 - Stands



Stand	Level 4 C	Cover Type		Size Density	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
22	4139 - Aspen,	Mixed Deci	duous	Poletimber We	ll 39.3	34	1-50	N/A		-clearcut complete 9/9/88-54-006-86-01 Ridge View Sale-Units 1-3-
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cut all but oak with green paint (east half)-proposal volume= 55% bta, 26% oak, 10% mhwd, 6% birch, 3% pine
	Red Oak	15	Pole/Saplin	g 5	F	led Oak	Medium	Variable	Sapling	2070 0411, 1070 11111114, 070 211011, 070 2110
	Quaking Aspen	7	Pole/Saplin	g 5	Su	gar Maple	Low	Variable	Sapling	
	Sugar Maple	5	Sapling/Pol	e 4	Re	ed Maple	Medium	Variable	Sapling	
	Red Oak	3	Log/XLog	15	W	hite Ash	Low	Variable	Sapling	
	Red Maple	10	Sapling/Pol	e 4	Serviceb	erry (Juneberry) Medium	5 - 10 feet	Tall Shrub	
	White Pine	5	Pole/Saplin	g 5			'		•	•
	Red Pine	5	Pole/Saplin	g 7						
	Bigtooth Aspen	50	Pole/Saplin	g 5 34						
23	122 - Road	d/Parking Lo	ot	Nonstocked	11.0	L	Inspecified	No		
24	310 - Herbac	eous Open	land	Nonstocked	1.2					gas well
25	310 - Herbac	310 - Herbaceous Openland Nonstocke			1.3	U	Jnspecified			-gas well -this area was leveled/drug and seeded using DNR mix by Fairview woodyard on 10/05/21
26	310 - Herbac	eous Open	land	Nonstocked	1.3	L	Inspecified			
27	4123 -	Red Oak		Sawtimber We	II 31.2	105	111-140	N/A		-some areas are too steep to harvest. Fire scarred oak.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-thinned NW 1/3rd/leg of stand along level terrain
	Bigtooth Aspen	15	Log/Pole	13	Stri	oed Maple	Medium	5 - 10 feet	Tall Shrub	
	Red Oak	70	Log/Pole	13 105		Beech	Low	Variable	Sapling	
	Sugar Maple	5	Log/Pole	10	Su	gar Maple	Medium	>20 feet	Sapling	
	Basswood	10	Log/Pole	11	Ir	onwood	High	Variable	Sapling	
					W	hite Ash	Low	Variable	Sapling	
28	4199 - Other Mixe	<u>'</u>		Sapling Mediur	m 35.1	6	Immature	N/A		Roller Chopping was completed on 7/6/23QD done in 2014 -poor quality timber except for ne 1\3rd and NW where past thinning occurred-
	Canopy Species		Size Class							large oak and beech with mast crowns-some pockets of aspen, not
	Red Oak	5	Sapling	1						quite dead yet-high to ironwood in subcanopy -clearcut complete
	Bigtooth Aspen	8	Sapling	1						7/4/2018
	Quaking Aspen	31	Sapling	1 6						
	Ironwood	26	Sapling	1						
	Beech	4	Sapling	1						
	White Ash	26	Sapling	1	1					



Stan	d Level 4 Cover Type			Size Density			Acres Stand Age BA Range		Managed \$	Site	General Comments
29	4123 -	Red Oak	s	awtimb	er Wel	1 21.3	94	141-170	N/A		-steep slopes to SE
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	good crown form and past mgmt is sporadic based on slopes
	Sugar Maple	10	Log/Pole	11		E	Beech	Medium	Variable	Sapling	
	Bigtooth Aspen	15	Log	14		Iro	nwood	High	Variable	Sapling	
	Red Oak	75	Log/Pole/XLog	13	94	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	
						Sug	ar Maple	Medium	>20 feet	Sapling	
						R	ed Oak	Low	Variable	Sapling	
30	4119 - Mixed No	rthern Har	dwoods S	oods Sawtimber Wel		I 10.1	95	81-110	N/A		-Thinning completed 1/17/01
	Canopy Species % Cover Size Class DBH Ag			I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-57-006-98-01 Pop Hardwood -cut marked trees only	
	Bigtooth Aspen	15	Log/XLog	16		Sugar Maple		Low	Variable	Sapling	-treated with stand to adjacent east
	Basswood	25	Log/Pole	11		WI	nite Ash	Medium	5 - 10 feet	Seeding	-proposal volume= 8% aspen, 39% mixed hwd, 53% basswood
	Beech	5	Log/Pole	13		E	Beech	Medium	10 - 20 feet	Sapling	
	Red Oak	20	XLog/Log	18		Iro	nwood	High	10 - 20 feet	Sapling	
	Sugar Maple	35	Log/Pole	10	95	Strip	ed Maple	Low	5 - 10 feet	Tall Shrub	
31	4131 - A	spen, Oak		Sapling	g Well	14.4	26	1-50	N/A		-clearcut complete 4/17/97
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-54-041-96-01 Lucky 17 -cut all trees except those with green paint
	Red Pine	5	Log	14		Strip	ed Maple	Low	5 - 10 feet	Tall Shrub	-proposal volume= 32% ro, 47% BTA, 21% mhwd
	Red Oak	10	Log/XLog	15		Servicebe	rry (Juneberry)) Medium	5 - 10 feet	Tall Shrub	# ⁻
	Red Maple	10	Sapling	2		Blad	k Cherry	Low	5 - 10 feet	Sapling	
	Red Oak	10	Sapling/Pole	3						'	_
	Sugar Maple	5	Sapling	2							
	Bigtooth Aspen	60	Sapling/Pole	3	26						
32	310 - Herbace	eous Oper	nland	Nonsto	ocked	1.0	U	Inspecified			gas well
33	310 - Herbace	eous Oper	nland	Nonsto	ocked	1.0	U	Inspecified			
34	4139 - Aspen, I	Mixed Dec	iduous P	oletimb	er Wel	l 63.3	50	81-110	N/A		-oak mixed with older aspen in south end, treated as inclusion
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Sapling	6			ch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Oak	15	Log/XLog/Pole			E	Beech	Low	Variable	Sapling	
	Balsam Fir	5	Pole/Sapling	7			nwood	Medium	Variable	Sapling	
	Bigtooth Aspen	45	Pole/Log	8	50		d Maple	Medium	Variable	Sapling	
	Quaking Aspen	10	Pole/Log	8		Blad	k Cherry	Low	Variable	Sapling	
	Sugar Maple	10	Pole/Sapling	7			rry (Juneberry)		5 - 10 feet	Tall Shrub	
	Paper Birch	5	Pole/Sapling	7		Sug	ar Maple	Medium	Variable	Sapling	
						Strip	ed Maple	Low	5 - 10 feet	Tall Shrub	

Report 7 – Stands



tand	Level 4 C	Size De	ensity	Acres Stand	Age BA Range	<u> </u>		General Comments				
35				Nonstocked		1.0	Unspecified					
36						35.5 34	1-50	N/A		-clearcut complete 9/9/88 ¬ -54-006-86-01 Ridge View Sale		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Sp	pecies Density	Avg. Height	Size	-54-006-86-01 Ridge View Sale -Units 4-5		
	Red Maple	5	Sapling/Pole	4		Red Pine	Low	Variable	Sapling	-cut all trees		
	Red Oak	20	Pole/Sapling	5		Black Cherr	ry Low	5 - 10 feet	Sapling	-proposal volume= 55% bta, 26% oak, 10% mhwd, 6% birch, 3% pine		
	Paper Birch	5	Pole/Sapling	5		Serviceberry (Jun	eberry) Medium	5 - 10 feet	Tall Shrub			
I	Bigtooth Aspen	52	Pole/Sapling	5	34	Ironwood	Low	Variable	Sapling			
	Red Pine	3	Sapling/Pole	4		Red Maple	e Medium	Variable	Sapling			
(Quaking Aspen	15	Pole/Sapling	5		Red Oak	Medium	Variable	Sapling			
37	310 - Herbac	eous Openl	land	Nonsto	ocked	2.1	Unspecified					
38	4119 - Mixed No	orthern Hard	dwoods Sa	awtimb	er Wel	25.5 105	5 51-80	N/A		-thinning completed 1/16/03		
										-54-014-99-01 Pop Two		
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Canopy Sp		Avg. Height	Size	-54-014-99-01 Pop Two -cut marked trees		
	Canopy Species Paper Birch	2	Pole	8	I Age	Sub-Canopy Sp Ironwood	Density High	Avg. Height 10 - 20 feet	Size Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd		
				8	l Age		High			-cut marked trees - -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30		
	Paper Birch	2 20 15	Pole	8 19 13		Ironwood	High Medium	10 - 20 feet	Sapling Tall Shrub Sapling	-cut marked treesproposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple		
	Paper Birch Red Oak	2 20	Pole XLog/Log	8	105	Ironwood Striped Map	High Medium	10 - 20 feet 5 - 10 feet	Sapling Tall Shrub Sapling Sapling	-cut marked trees - -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30		
	Paper Birch Red Oak Beech	2 20 15	Pole XLog/Log Log/Pole	8 19 13		Ironwood Striped Map White Ash	High Medium Medium Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Tall Shrub Sapling	-cut marked treesproposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form		
	Paper Birch Red Oak Beech Sugar Maple	2 20 15 25	Pole XLog/Log Log/Pole Log/Pole	8 19 13 11		Ironwood Striped Map White Ash Beech	High Medium Medium Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling Tall Shrub Sapling Sapling	-cut marked treesproposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form		
	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen	2 20 15 25 15	Pole XLog/Log Log/Pole Log/Pole Log	8 19 13 11 17		Ironwood Striped Map White Ash Beech	High Medium Medium Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling Tall Shrub Sapling Sapling	-cut marked treesproposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form		
I	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood	2 20 15 25 15 2 2 21	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Log/Pole	8 19 13 11 17 6 13		Ironwood Striped Map White Ash Beech Sugar Mapl	High Medium Medium Medium Medium Medium Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A	Sapling Tall Shrub Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood	2 20 15 25 15 2 2 21 ard Mast As	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Log/Pole	8 19 13 11 17 6 13 awtimb	105	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp	High Medium Medium Medium Medium Medium Medium Medium Medium Medium Medium Decies Density	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Tall Shrub Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood	2 20 15 25 15 2 2 21 ard Mast As	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Sociation Sa	8 19 13 11 17 6 13 awtimb	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl	High Medium Medium Medium Medium Medium Medium Medium Medium Medium Medium Decies Density	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A	Sapling Tall Shrub Sapling Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha	2 20 15 25 15 2 21 21 ard Mast As	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Sociation Size Class	8 19 13 11 17 6 13 awtimb	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp	High Medium Medium Medium Medium Medium Medium Medium Medium Medium Medium Decies Density	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A	Sapling Tall Shrub Sapling Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen	2 20 15 25 15 2 21 21 21 24 Ast	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Sociation Size Class Log	8 19 13 11 17 6 13 awtimb DBH	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map	High Medium High	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Tall Shrub	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
B9	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen Basswood	2 20 15 25 15 2 21 21 21 28 28	Pole XLog/Log Log/Pole Log/Pole Log Pole Log/Pole Sociation Size Class Log Log/Pole	8 19 13 11 17 6 13 awtimb DBH 17 13	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map Ironwood	High Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Tall Shrub Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen Basswood Red Oak	2 20 15 25 15 2 21 21 21 28 28 28	Pole XLog/Log Log/Pole Log Pole Log/Pole Log/Pole Sociation Size Class Log Log/Pole XLog/Log	8 19 13 11 17 6 13 awtimb 17 13 20	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map Ironwood White Ash	High Medium	10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Tall Shrub Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 3 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
39	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen Basswood Red Oak Beech	2 20 15 25 15 2 21 21 21 28 28 1	Pole XLog/Log Log/Pole Log Pole Log/Pole Sociation Size Class Log Log/Pole XLog/Log Log/Pole	8 19 13 11 17 6 13 20 13	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map Ironwood White Ash Sugar Mapl	High Medium High Medium Low	10 - 20 feet 5 - 10 feet 10 - 20 feet 20 feet >20 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Tall Shrub Sapling Sapling Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 3 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
339	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen Basswood Red Oak Beech Quaking Aspen	2 20 15 25 15 2 21 21 21 28 28 1 1	Pole XLog/Log Log/Pole Log/Pole Log/Pole Log/Pole Sociation Size Class Log Log/Pole XLog/Log Log/Pole Log/Pole	8 19 13 11 17 6 13 awtimb DBH 17 13 20 13 11	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map Ironwood White Ash Sugar Mapl	High Medium High Medium Low	10 - 20 feet 5 - 10 feet 10 - 20 feet 20 feet >20 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Tall Shrub Sapling Sapling Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		
339	Paper Birch Red Oak Beech Sugar Maple Bigtooth Aspen Ironwood Basswood 4111 - S.Maple, Ha Canopy Species Bigtooth Aspen Basswood Red Oak Beech Quaking Aspen Ironwood	2 20 15 25 15 2 21 21 21 28 28 1 1 1 2	Pole XLog/Log Log/Pole Log/Pole Log/Pole Log/Pole Sociation Size Class Log Log/Pole XLog/Log Log/Pole Log/Pole Pole	8 19 13 11 17 6 13 20 13 11 6	105 eer Wel	Ironwood Striped Map White Ash Beech Sugar Mapl 67.6 105 Sub-Canopy Sp Striped Map Ironwood White Ash Sugar Mapl	High Medium High Medium Low	10 - 20 feet 5 - 10 feet 10 - 20 feet 20 feet >20 feet	Sapling Tall Shrub Sapling Sapling Sapling Sapling Size Tall Shrub Sapling Sapling Sapling Sapling	-cut marked trees -proposal volume= 1/3 basswood and 2/3rds mixed hwd -canopy maturity composition (15+" DBH) is 28% of the basal area: 30 oak, 26% basswood, 17% bch, and 26% sugar maple -61% of the total basal area is dying or has severe poor form -see attached reports for more specific information -west half thinning was heavy and is high to ironwood-thinning completed 1/16/03-added 20 BA to 2013 field inventory QD and added confidence range-54-014-99-01 Pop Two-cut marked trees -		

Atlanta Mgt. Unit



Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments				
40	4119 - Mixed No	orthern Hai	rdwoods S	awtimb	er Well	20.1	103	81-110	N/A		-thinning completed 1/16/03				
	Canopy Species	% Cove	r Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-54-014-99-01 Pop Two -cut marked trees				
	Red Oak	30	XLog/Log	21		W	hite Ash	Low	10 - 20 feet	Sapling	-proposal volume= 1/3 bsw and 2/3rds mixed hwd				
	Red Maple	3	XLog/Log	18		Strip	ed Maple	Low	5 - 10 feet	Tall Shrub	-canopy maturity composition (15+" DBH) is 38% of the basal area: 58%				
	Sugar Maple	38	Log/Pole	13	103	Iro	onwood	High	10 - 20 feet	Sapling	(22 BA) oak, 21% (8 BA) basswood, 4% (2 BA) bch, and 17% (7 BA) sugar maple				
	Basswood	20	Log/Pole	13		I	Beech	Medium	10 - 20 feet	Sapling	-see attached reports for more specific information				
	Beech	9	Log/Pole	12		Sug	jar Maple	Low	>20 feet	Sapling					
41	4199 - Other Mixe	ed Upland [Deciduous S	awtimb	er Well	7.1	105	51-80	N/A		-west half thinning was heavy and is high to ironwood				
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-thinning completed 1/16/03 -added 20 BA to 2013 field inventory QD and added confidence range				
	Bigtooth Aspen	20	Log	15		Strip	ed Maple	Medium	5 - 10 feet	Tall Shrub	-54-014-99-01 Pop Two				
	Ironwood	2	Pole	6		[Beech	Medium	10 - 20 feet	Sapling	-cut marked trees				
	Sugar Maple	26	Log/Pole	11	105	Sug	jar Maple	Medium	>20 feet	Sapling	-proposal volume= 1/3 basswood and 2/3rds mixed hwd -trees are dying in this area				
	Basswood	20	Log/Pole	13		Iro	onwood	Medium	10 - 20 feet	Sapling	-subcanopy has a mix of desirable and less desirable species				
	Red Oak	20	Log/XLog	17		W	hite Ash	Low	10 - 20 feet	Sapling					
	Paper Birch	2	Pole	8											
	Beech	10	Log/Pole	13											
42	4123 -	Red Oak	S	awtimb	er Well	16.6	103	81-110	N/A		-shelterwood cut complete 9/16/08				
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-54-030-06-01 rolling oak -cut all rm, aspen, and orange trees				
	Sugar Maple	5	Pole/Log	8		[Beech	Low	10 - 20 feet	Sapling	-proposal vol.= 68% aspen, 3% bsw, 29% mhwd				
	Basswood	10	Log/Pole	11		R	ed Oak	Low	10 - 20 feet	Sapling	-was RX for shelterwood but is a thinning 75-90BA				
	Red Oak	80	Log/Pole/XLog	14	103	Iro	onwood	High	10 - 20 feet	Sapling					
	Beech	5	Log	14		Bigto	oth Aspen	Low	10 - 20 feet	Sapling					
						Strip	ed Maple	Low	10 - 20 feet	Sapling					
						Sug	gar Maple	Low	>20 feet	Sapling					
43	4130	- Aspen		Sapling	Poor	4.5	2	mmature	N/A		-long slope NE-SW, mostly 20-30%				
	Canopy Species	% Cove	r Size Class	DBH	l Age						clearcut completion date- 9/14/21				
	Bigtooth Aspen	80	Sapling	1	2										
	Ironwood	10	Sapling	1											
	Beech	10	Sapling	1											

Report 7 – Stands

Atlanta Mgt. Unit

Compartment: 17 Year of Entry: 2026



tand	d Level 4 Cover Type		S	ize De	nsity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments
44	4110 - Sugar N	/laple Asso	ciation Sav	vtimber	Mediun	n 32.3	85	81-110	N/A		-Thinning completed 1/17/01
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-57-006-98-01 Pop Hardwood -cut marked trees only
	Basswood	28	Log/Pole	11		Suç	gar Maple	Low	>20 feet	Sapling	-proposal volume= 8% aspen, 39% mixed hwd, 53% basswood
	Red Oak	6	XLog/Log	18		W	hite Ash	Low	Variable	Sapling	-high in small logs
	Bigtooth Aspen	3	Log	14			Beech	High	10 - 20 feet	Sapling	-cored 12 and 14 in sm and 13 in bsw, 85 average age, old inventory was 108
	Sugar Maple	59	Log/Pole	10	85	Ir	onwood	High	10 - 20 feet	Sapling	-residual BA was 114 outside of cut gaps on 4/20/24
	Ironwood	2	Pole	5							-canopy maturity composition (15+" DBH) is 10% of the basal area
	Beech	2	Log/Pole	13							-40-acre area was group selection harvested within Winter 2017-2018 and tops were removed
											-the 40 area is part of a MSU northern hardwood regeneration project -Spraying completed 6/25/20. It had 12.5 acres sprayed. Chem used was Rodeo, Element, and Cygnet. Quarts per acre 2.2, 1.4, 1.4 respectfullyScarification on 8/4/20. Had 12.5 acres completed.
6	4199 - Other Mixe	d Upland D	Deciduous Sav	vtimber	Mediun	n 4.5	101	81-110	N/A		-thinning complete 9/16/08, was prescribed as a shelterwood 1-54-030-06-01 rolling oak
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-cut all rm and aspen
	Sugar Maple	30	Pole/Log	9		Suç	gar Maple	Low	>20 feet	Sapling	-proposal vol.= 68% aspen, 3% bsw, 29% mhwd
	Basswood	20	Log/Pole	11		Ir	onwood	Medium	10 - 20 feet	Sapling	
	Red Oak	45	Log/XLog	16	101	W	hite Ash	Medium	10 - 20 feet	Sapling	
	Beech	5	Log/Pole	14		R	led Oak	Low	10 - 20 feet	Sapling	
						Bigto	ooth Aspen	Medium	10 - 20 feet	Sapling	
7	4139 - Aspen, Canopy Species	% Cover	Size Class		Age	12.4	15	1-50	N/A		-seed-tree cut? RX complete 9/16/08 -54-030-06-01 rolling oak -cut all rm and aspen
	Red Oak	15	Log/Pole/XLog		101						-proposal vol.= 68% aspen, 3% bsw, 29% mhwd
	Ironwood	10	Sapling	1							
	Beech	10	Sapling	2							
	White Ash	5	Sapling	2							
	Basswood	10	Log/Pole	12	4.5						
	Bigtooth Aspen	40	Sapling	2	15						
	Red Maple	5	Sapling	1							
8	Sugar Maple 4111 - S.Maple, H			awtimb		38.0	95	81-110	N/A		-see qd 1 -high in 8-14 in dbh
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	-high browse on beech stump sprouts
	Bigtooth Aspen	13	Log	11			erry/Raspberry	Medium	< 5 feet	Tall Shrub	-selection cut complete 9/14/21
	White Ash	1	Pole/Log	9			gar Maple	Medium	>20 feet	Sapling	
	Basswood	28	Log/Pole	10			Beech	Medium	Variable	Sapling	
	Paper Birch	2	Log	13	0.5		onwood	Medium	Variable	Sapling	
	Sugar Maple	40	Log/Pole	10	95	W	hite Ash	Medium	< 5 feet	Seeding	
	Beech	2	Log/Pole	10							

14

XLog/Log

18

Red Oak

Atlanta Mgt. Unit



Stand	Level 4 C	over Type		Size Density		Acres	Stand Age B		Managed S		General Comments
49	4111 - S.Maple, H	ard Mast As	sociation S	Sawtimbe	er Well	24.8	88	81-110	N/A		-fairly poor nhwd timber quality, more variable BAs and was cut heavier i
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	past-variable structure, larger diameters, more oak and aspen in stand vs west hwd-based off 8-point swings, residual BA is 98 with 36% of
	Sugar Maple	35	Log/Pole	12	88	Sug	jar Maple	Medium	>20 feet	Sapling	that BA in trees >15 inches (see attached doc-canopy maturity
	Red Oak	15	XLog/Log	20		Wh	hite Ash	Low	Variable	Sapling	composition (15+" DBH) is 35% of the basal area: 23% oak, 31%
	Beech	10	Log/Pole	13		Irc	onwood	Medium	10 - 20 feet	Sapling	basswood, and 46% sugar maple-see attached report for more specific information
	Bigtooth Aspen	10	Log/Pole	13		Е	Beech	Medium	10 - 20 feet	Sapling	
	Basswood 30 Log/Pole		Log/Pole	9 13							-
50	4110 - Sugar Maple Association			Sawtimber Well		II 18.3 95		111-140	N/A		-thinning completed 1/16/03-54-014-99-01 Pop Two-cut marked trees
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	proposal volume= 1/3 bsw and 2/3rds mixed hwd-canopy maturity
	Beech	2	Log	15		Strip	ed Maple	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	2	Log	13		E	Beech	Medium	10 - 20 feet	Sapling	basswood, and 53% sugar maple-see attached reports for more
	Basswood	21	Log/Pole	10		Irc	onwood	High	Variable	Sapling	specific information
	Sugar Maple	60	Log/Pole	11	95	Wh	hite Ash	Low	10 - 20 feet	Sapling	
	Red Oak	15	Log/XLog	17		Sug	jar Maple	Low	>20 feet	Sapling	
51	310 - Herbac			Nonsto		1.0		nspecified	No		
52	122 - Roa	d/Parking Lo	ot	Nonsto Nonsto	cked	2.3		nspecified nspecified	No N/A		-south of road clearcut completed 11/05/87-54-018-86-01-cut all
	122 - Road 4130	d/Parking Lo	ot F	Nonsto Poletimbe	cked er Well	2.3	U 35	nspecified	N/A	Sizo	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard
52	122 - Road 4130 Canopy Species	d/Parking Lo - Aspen % Cover	ot F Size Class	Nonsto Poletimbe DBH	cked er Well	2.3 14.6 Sub-Ca	U 35 nopy Species	nspecified 1-50 Density	N/A Avg. Height	Size	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made
52	122 - Road 4130 Canopy Species Sugar Maple	d/Parking Lo	ot F Size Class Pole	Nonsto Poletimbe DBH	cked er Well	2.3 14.6 Sub-Ca l	U 35 nopy Species hite Ash	1-50 Density Low	N/A Avg. Height Variable	Sapling	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard
52 53	122 - Road 4130 Canopy Species Sugar Maple Red Maple	d/Parking Lo	Size Class Pole Sapling/Pole	Nonsto Poletimbe DBH 7 4	cked er Well Age	2.3 14.6 Sub-Ca l	35 nopy Species hite Ash pnwood	1-50 Density Low High	N/A Avg. Height Variable 10 - 20 feet	Sapling Sapling	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made-fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part,
52 53	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen	- Aspen **Cover** 8 5 44	Size Class Pole Sapling/Pole Pole/Sapling	Nonsto Poletimbe DBH 7 4 5	cked er Well	2.3 14.6 Sub-Cai With Irc	U 35 nopy Species hite Ash onwood hite Ash	1-50 Density Low High Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet	Sapling Sapling Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave
52 53	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak	- Aspen **Cover** 8 5 44 10	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling	Nonsto Poletimbe DBH 7 4 5 5	cked er Well Age	2.3 14.6 Sub-Cai With Irc	35 nopy Species hite Ash pnwood	1-50 Density Low High	N/A Avg. Height Variable 10 - 20 feet	Sapling Sapling	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made-fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part,
52	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech	- Aspen **Cover** 8 5 44 10 3	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling	Nonsto Poletimbe DBH 7 4 5 5 5	cked er Well Age	2.3 14.6 Sub-Cai With Irc	U 35 nopy Species hite Ash onwood hite Ash	1-50 Density Low High Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet	Sapling Sapling Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was madefairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part,
52	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak	- Aspen **Cover** 8 5 44 10	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling	Poletimber 7 4 5 5 5 5 5 5 5 5	cked er Well Age	2.3 14.6 Sub-Cai With Irc	U 35 nopy Species hite Ash onwood hite Ash	1-50 Density Low High Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet	Sapling Sapling Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part,
52	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood	- Aspen - Aspen - Cover - 8 - 5 - 44 - 10 - 3 - 25 - 5	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole	Poletimber 7 4 5 5 5 5 5 5 3 3	er Well Age	2.3 14.6 Sub-Cal White the state of the s	35 nopy Species hite Ash pnwood hite Ash gar Maple	1-50 Density Low High Medium Low	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet	Sapling Sapling Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made-fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part, total for stands 53, 57, 75)
52	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood 4139 - Aspen,	- Aspen **Cover* 8 5 44 10 3 25 5 Mixed Decidents	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole duous	Poletimber 7 4 5 5 5 5 5 3 Sawtimber 9	er Well Age 35	2.3 14.6 Sub-Cai White Sug	35 nopy Species hite Ash pnwood hite Ash jar Maple	nspecified 1-50 Density Low High Medium Low 81-110	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet	Sapling Sapling Seeding Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part,
52 53 62	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood 4139 - Aspen, Canopy Species	d/Parking Lo - Aspen % Cover 8 5 44 10 3 25 5 Mixed Deci	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole duous Size Class	Poletimbe Poletimbe 7 4 5 5 5 5 7 A B B B B B B B B B B B B B B B B B B	er Well 35 er Well Age	2.3 14.6 Sub-Cai Wh Sug 1.4 Sub-Cai	35 nopy Species hite Ash pnwood hite Ash jar Maple	nspecified 1-50 Density Low High Medium Low 81-110 Density	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Seeding Seeding	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part, total for stands 53, 57, 75) Stand left for area retention for stand 16 and steep slope.
52 53 62	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood 4139 - Aspen, Canopy Species Bigtooth Aspen	- Aspen **Cover* 8 5 44 10 3 25 5 Mixed Decir **Cover* 50	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole duous Size Class Log	Nonsto Poletimbe 7 4 5 5 5 5 3 Sawtimbe DBH 13	er Well Age 35	2.3 14.6 Sub-Cai Wh Sug 1.4 Sub-Cai Strip	35 nopy Species hite Ash phwood hite Ash gar Maple 99 nopy Species ped Maple	nspecified 1-50 Density Low High Medium Low 81-110 Density Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Seeding Seeding Size	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part, total for stands 53, 57, 75) Stand left for area retention for stand 16 and steep slope.
52 53 62	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood 4139 - Aspen, Canopy Species Bigtooth Aspen Basswood	- Aspen **Cover* 8 5 44 10 3 25 5 Mixed Deci- **Cover* 50 5	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole duous Size Class Log Log/Pole	Poletimber 7 4 5 5 5 5 3 Sawtimber DBH 13 13	er Well 35 er Well Age	2.3 14.6 Sub-Cai Wi Sug 1.4 Sub-Cai Strip	35 nopy Species hite Ash provood hite Ash gar Maple 99 nopy Species ped Maple provood	nspecified 1-50 Density Low High Medium Low 81-110 Density Medium Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet Variable	Sapling Sapling Seeding Seeding Size Tall Shrub Sapling	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was made fairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part, total for stands 53, 57, 75) Stand left for area retention for stand 16 and steep slope.
52 53 62	122 - Road 4130 Canopy Species Sugar Maple Red Maple Quaking Aspen Red Oak Beech Bigtooth Aspen Ironwood 4139 - Aspen, Canopy Species Bigtooth Aspen	- Aspen **Cover* 8 5 44 10 3 25 5 Mixed Decir **Cover* 50	Size Class Pole Sapling/Pole Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Sapling/Pole duous Size Class Log	Nonsto Poletimbe 7 4 5 5 5 5 3 Sawtimbe DBH 13	er Well 35 er Well Age	2.3 14.6 Sub-Can Wh Irc Wh Sug 1.4 Sub-Can Strip Irc Servicebe	35 nopy Species hite Ash phwood hite Ash gar Maple 99 nopy Species ped Maple	nspecified 1-50 Density Low High Medium Low 81-110 Density Medium Medium	N/A Avg. Height Variable 10 - 20 feet < 5 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Seeding Seeding Size	trees-prop. vol.= 39% aspen, 34% mhwd, 21% bsw-larger pole hard maple to west, assume was slightly unmerchatable when cut was madefairly pure aspen stand with thick ironwood in subcanopy -north of road clearcut- completion date- 4/13/92-sale number- 54-054-90-01-leave trees- none-volume (cds)- 1130 aspen, 2045 mhwd, 475 ro (in part, total for stands 53, 57, 75) Stand left for area retention for stand 16 and steep slope.

Report 7 - Stands

Compartment: 17 Year of Entry: 2026



Stan	d Level 4 C	s	ize De	nsity	Acres				Site	General Comments	
63	4130	- Aspen	Sa	wtimb	er Wel	II 2.3 99		Inspecified	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	75	Log	13	99	Iro	onwood	Medium	Variable	Sapling	
	White Ash	5	Log/Pole	13		Strip	oed Maple	Medium	5 - 10 feet	Tall Shrub	
	Red Oak	5	Log/XLog	16		Servicebe	erry (Juneberry) Low	5 - 10 feet	Tall Shrub	
	Basswood	5	Log/Pole	13		W	hite Ash	Medium	Variable	Sapling	
	Sugar Maple	10	Log/Pole	13		Sug	gar Maple	Medium	Variable	Sapling	
64	4199 - Other Mixe	ed Upland [Deciduous Sa	wtimb	er Wel	10.2	108	81-110	N/A		-ne 1\3rd and NW were thinning
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-large oak and beech with mast crowns -some pockets of aspen, not quite dead yet
	Sugar Maple	23	Log/Pole	10	88	I	Beech	Medium	10 - 20 feet	Sapling	-high to ironwood in subcanopy
	Basswood	19	Log/Pole	12		Iro	onwood	High	10 - 20 feet	Sapling	-was part of stand 28 in last inventory, consider merging with stand 30
	Red Oak	25	XLog/Log	19	108	W	hite Ash	Medium	5 - 10 feet	Sapling	
	Ironwood	3	Pole	5		R	ed Oak	Low	Variable	Sapling	
	Beech	10	Log/Pole	10		Sug	gar Maple	Low	Variable	Sapling	
	Bigtooth Aspen	20	Log	15							
65	4119 - Mixed No	orthern Har	dwoods Sa	wtimb	er Wel	13.4	97	111-140	N/A		-large oak and beech with mast crowns
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	-was part of stand 28 in last inventory, consider merging with stand 18
	Sugar Maple	35	Log/Pole	11	97	Sug	gar Maple	Medium	>20 feet	Sapling	
	Beech	15	Log/Pole	10		-	Beech	Medium	10 - 20 feet	Sapling	
	Red Oak	25	XLog/Log	19	97	Iro	onwood	Medium	Variable	Sapling	
	Ironwood	3	Pole	5							
	Bigtooth Aspen	3	Log	14							
	Basswood	19	Log/Pole	12							
68	4119 - Mixed No	orthern Har	dwoods Sa	wtimb	er We	1.3	97	81-110	N/A		This stand was left as area retention for the stand 28 clearcut. Smaller
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pocket to the north left does not meet minimum mapping rules to be a stand.
	Basswood	19	Pole/Log	9		Iro	onwood	High	10 - 20 feet	Sapling	·
	White Ash	6	Log/Pole	14		Sug	gar Maple	Low	Variable	Sapling	
	Beech	18	Log/Pole	10		W	hite Ash	Medium	< 5 feet	Seeding	
	Bigtooth Aspen	3	Log	14		R	ed Oak	Low	Variable	Sapling	
	Ironwood	3	Pole	5		-	Beech	Medium	10 - 20 feet	Sapling	
	Red Oak	23	Log/XLog/Pole	17	97	Sug	gar Maple	Low	< 5 feet	Seeding	
											1

Sugar Maple

28

Log/Pole

10 97