HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XVIII Date 5/2/30

Area of plot .1 A. Location 1929 Cutting, 500 yds. N.W. of Kilburn Deer mouse shanty

Type Hardwood Forest form

Aspect S.W. Slope 10° Relative elevation Low, flat ridge.

Remarks (Evidence of fire, culling, etc.) Fire scars on same stumps. Chestnut charcoal found in leached layer. Charcoal in humus also. Light fire when burn occurred.

OVERSTORY: Total Age

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10			••			•							
10-15			•• 200			145 134				148 ✓			
15-20			180		•					148 ✓			
20-25													
25-30	150										187 184 182		
30-35													
35 up													
Hgts.													
Dead											•		
Down			•		•						••		

Distribution Uniform

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4		••											
4- 6			••										
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres.....Distribution.....

Approx. age.....

Vigor.....

Remarks.....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks.....

.....

.....

.....

.....

.....

Hem.

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XVII Date 5/2/30

Area of plot .1 A. Location 1929 Cutting, 600 yds. N.W. of Kilborn Deer mouse shanty

Type Hem. Forest form Selection

Aspect West Slope 5° Relative elevation Low ridge

Remarks (Evidence of fire, culling, etc.) Fire scars still visible: Two pine stumps, remnants of a former culling, 150± yrs. of age, cut 100-110 yrs. ago. Charcoal found nearby.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem. (Age)	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10		244 258											
10-15		256 257											
15-20		266 277 263											
20-25		297 280 290											
25-30		292											
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution Uniform

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Str. M.		
- 4		☐	☒								"		
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks Hemlock advance growth fairly abundant in near vicinity. Intensity of fire varies in different areas even on same slope.? It varies also with type of combustible material present? Weather conditions, time of day, etc.

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres.....Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XIX Date 5/2/30

Area of plot .1 A. Location 100' North of Plot XVIII

Type Hardwood Forest form

Aspect S.W. Slope 5° Relative elevation Low ridge (Knoll)

Remarks (Evidence of fire, culling, etc.) Charcoal found in humus. Fire scars on several stumps.

OVERSTORY:

Age COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10			•			•							
10-15			••										
15-20			173 180 180 171										
20-25													
25-30											188		
30-35													
35 up													
Hgts.													
Dead											•		
Down			•										

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Str. M		
- 4		•	▪▪▪					•			••		
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age 3/4" Be. 20 yrs. Vigor } Seedling ?
2" Be. 40 " } Root sucker ?
Remarks 3' (Ht) Be. 6 yrs. }

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XX Date May 5, 1930

Area of plot 1 A. Location 1929 Cutting, Kilburn Brook Section

Type Pine / Hemlock Forest form

Aspect West Slope 15° Relative elevation 150' from top of high ridge.

Remarks (Evidence of fire, culling, etc.) Fire-scarred stumps present.
Fire - 140+ yrs. ago Windfalls prevalent.
" 152 - yrs. ago. Unprotected ridge.

OVERSTORY:

Age

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10			•										
10-15			200										
15-20		250											
20-25	250 ✓ 248	250 ✓ 255											
25-30	250 ✓												
30-35	260 ✓ 252 ✓												
35 up													
Hgts.													
Dead											•		
Down	•	•									•		

Distribution

Crown density Approx. age Vigor

Remarks Fire scars 125-130 yrs. old found on white pine stumps 200 yds. to west, down slope near Kilburn Brook branch. Two pine stumps 170 yrs. old in same locality. Old decayed pine stumps cut 75-100 years ago also found. (Age at time of cutting ?)

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution Stumps - 275-280 yrs. (total age) also found along Kilburn Brook, East Branch., N.W. of Plot XX. All show fairly fast start. ~~Vigor~~

Approx. age Pine-Hem-Hdwd. old growth cut here in winter of 1929

Remarks

Aberrid.

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXI Date 5/5/30

Area of plot 1 A. Location Ridge top 500' N. of Plot XX

Type Pine Forest form Selection (P/Hd-Hm)

Aspect South Slope 7% Relative elevation Ridge top

Remarks (Evidence of fire, culling, etc.) Fire scars in heart of old trees, 155 years ago.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10													
10-15										176			
15-20	160 160 outside										185		
20-25	220 210												
25-30	164												
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution Uniform

Crown density Approx. age Vigor Slowed down last 30 years

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′		Mx	"										

No. Mil Acres..... Distribution... Uniform

Approx. age 50 — up; 1" - 15 yrs.

Vigor... Good

Remarks .....

.....

GROUND COVER.

General distribution and amount .....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

checked

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXII Date 5/5/30

Area of plot .1 A. Location 100' E. of Plot XX

Type Pine - Hem Forest form Selection (P/Hm-Hdwd)

Aspect S.W. Slope 15% Relative elevation E. side of high ridge.

Remarks (Evidence of fire, culling, etc.) Fire scar on beech 53 yrs. ago and charcoal on leached layer.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10													
10-15			•										
15-20													
20-25		•											
25-30													
30-35	250 254												
35 up	254												
Hgts.													
Dead													
Down	•	•									•		

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	ch		
- 4		•• •	•• •	••									
4- 6		•• •	•										
6-10			•										
10-15			•								•		
15 up					•								
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ch		
- 1′													
1′-15′													

No. Mil Acres..... Distribution..Here in hole.....

Approx. age Be. 11 years.....

Vigor.....

Remarks.....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks.....

.....

.....

.....

.....

.....

checked

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXIII Date.....

Area of plot .1 A. Location 500' S.W. from Plot XXII

Type Hardwood Forest form Selection

Aspect S.W. Slope 5° Relative elevation 200' above creek bottom.

Remarks (Evidence of fire, culling, etc.) Charcoal found beneath humus layer.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest.		
-10													
10-15			.172			.					.175 ✓		
15-20				.		..					.180 .✓ .180		
20-25											.179 ✓		
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down			.			.							

Distribution.....

Crown density.....Approx. age.....Vigor.....

Remarks .....

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4		..	..										
4- 6			.										
6-10		..	..										
10-15													
15 up													
Hgts.													

Distribution.....

Approx. age.....Vigor.....

Remarks .....

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres.....Distribution.....

Approx. age.....

Vigor.....

Remarks.....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks.....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXIV Date 5/6/30

Area of plot 1/20 A. Location 400 yds. N.W. from Kilburn Deermouse shanty

Type Hardwood Forest form

Aspect West Slope Knoll Relative elevation

Remarks (Evidence of fire, culling, etc.) Fire scars present on stumps

OVERSTORY:

Age COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest		
-10													
10-15			195 ✓ 186 ✓										
15-20			185 ✓										
20-25			250 (?)								200		
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXV Date 5/6/30

Area of plot 1/20 A. Location 100 S.E. from Plot XXIV

Type Hardwood Forest form

Aspect S.E. Slope 4° Relative elevation

Remarks (Evidence of fire, culling, etc.) Fire scars on stumps

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10													
10-15													
15-20			278								118		
20-25													
25-30			280								120		
30-35													
35 up													
Hgts.													
Dead													
Down						•					•		

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Str. M.		
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXVI. Date 5/9/30

Area of plot 1 A. Location N. end of 1924 cutting, 1 mile N. of Pisgah Reservoir

Type Hemlock-Hardwood Forest form

Aspect Southeast Slope Almost level Relative elevation Bottom hillside

Remarks (Evidence of fire, culling, etc.) Fire scars, burned throughout, cutting area. Chestnut age & unusual, soil lighter than average, standing at stand out?

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10													
10-15													
15-20		200											
20-25		262 260											
25-30		290 280											
30-35													
35 up										206			
Hgts.													
Dead													
Down													

Distribution

Crown density Approx. age Vigor

Remarks 3 old growth White pine, stuff strathers, 2 spruce, Hem. at base, unusual old hardwoods, unusual

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.		SHA	DRY
- 1′	Abundant			fine	chewy	[illegible]			heavy	[illegible]		[illegible]	[illegible]
1′-15′	getting			Most	of	[illegible]	[illegible]	[illegible]	[illegible]	off	4 yrs	[illegible]	[illegible]

(by rabbits ?) land is now covered [illegible]

No. Mil Acres..... Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks.....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

XXVIII

Plot No. ..... Date 5/9/30

Area of plot 1 A. Location Ridge top So. of North Round Pond

Type Pine-Hd. Forest form

Aspect Slope Ridge top Relative elevation Ridge top

Remarks (Evidence of fire, culling, etc.) Charcoal in organic layer

Fire scars on nearby snags

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10													
10-15					•					148			
15-20	135									148 149			
20-25	136												
25-30	135 145												
30-35	150												
35 up													
Hgts.													
Dead										•			
Down	•	•	•								•		

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XXVII Date 5/9/30

Area of plot .1 A. Location So. end of ridge S.E. of North Round Pond.

Type Pine Forest form

Aspect Slope Ridge top Relative elevation Fairly high ridge

Remarks (Evidence of fire, culling, etc.) Several windfalls (Pine-Hd.) seen nearby. Charcoal in organic layer. Soil fairly deep for an exposed ridge top.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P. (Age)	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10													
10-15													
15-20	146 150	165											
20-25	130 v 146 v												
25-30	147 150												
30-35	132 (center rot) 154									150			
35 up													
Hgts.													
Dead													
Down										130+			

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Str. Map.		
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. II Date [illegible]

Area of plot ..... A. Location [illegible]

Type [illegible] Forest form .....

Aspect ..... Slope ..... Relative elevation .....

Remarks (Evidence of fire, culling, etc.) See records of sample plots in [illegible]

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
10						142							
10-15													
15-20													
20-25													
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution .....

Crown density ..... Approx. age ..... Vigor .....

Remarks Stump counts taken to determine [illegible] fences [illegible] the same age, and the same age [illegible] [illegible]

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution .....

Approx. age ..... Vigor .....

Remarks .....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. [illegible] Date [illegible]

Area of plot ..... A. Location [illegible]

Type [illegible] Forest form .....

Aspect [illegible] Slope ..... Relative elevation [illegible]

Remarks (Evidence of fire, culling, etc.) [illegible]

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10		233	[illegible]	245		60					238		
10-15	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]					[illegible]		
15-20	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]		[illegible]
20-25	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]		[illegible]
25-30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]		[illegible]
30-35		[illegible]			[illegible]		[illegible]						
35 up		[illegible]			[illegible]		[illegible]				[illegible]		
Hgts.					[illegible]		[illegible]						
Dead													
Down													

Distribution .....

Crown density ..... Approx. age ..... Vigor .....

Remarks [illegible]

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution .....

Approx. age ..... Vigor .....

Remarks .....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. [illegible] Date [illegible]

Area of plot ..... A. Location [illegible]

Type [illegible] Oak Forest form .....

Aspect [illegible] Slope ..... Relative elevation .....

Remarks (Evidence of fire, culling, etc.) .....

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10	[illegible]		[illegible]	[illegible]	[illegible]								
10-15	[illegible]		[illegible]	[illegible]	[illegible]								
15-20	[illegible]		[illegible]	[illegible]	[illegible]								
20-25	[illegible]		[illegible]	[illegible]	[illegible]								
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution .....

Crown density ..... Approx. age ..... Vigor .....

Remarks Same as that in preceding plot

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution .....

Approx. age ..... Vigor .....

Remarks .....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

V

Plot No. 4A Date April 21, 1930

Area of plot 1 A. Location 1929 Cutting N.E. of Mt. Pisgah.

Type Pine - Hem. - Hdwd. Forest form

Aspect South Knoll Slope 20° Relative elevation 160' below summit Mt. Pisgah

Remarks (Evidence of fire, culling, etc.)

Pines cut on knoll to north of this plot are all decadent having center butt rot. Charcoal on mineral soil. W. Pine charcoal.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10			50										
10-15			•			•							
15-20	• Rotted Stump	~~150~~ 270	•										
20-25		~~210~~ 230±											
25-30		275											
30-35	240												
35 up													
Hgts.													
Dead													
Down	•	•											

Distribution Uniform

Crown density Approx. age Vigor Fair

Remarks Figures signify total age.

Dots signify tally of standing trees.

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10			138										
10-15		242											
15 up													
Hgts.													

Distribution Uniform

Approx. age 1" Be. - 60 yrs. 1" Hem. - 55 yrs. 4" " - 90 yrs. Vigor Fair

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′	Few scattered Hem, Beech, Pine seedlings.												
1′-15′													

No. Mil Acres 100 Distribution

Approx. age 3′ Hem. 58 yrs.

Vigor

Remarks

GROUND COVER.

General distribution and amount

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

VI

Plot No. 5A Date 4/21/30

Area of plot .1 A. Location 200 yds. N. of Plot 4A

Type Pine - Hemlock Forest form

Aspect Slope Knoll Relative elevation 75' below summit Mt. Pisgah.

Remarks (Evidence of fire, culling, etc.) Pine and hemlock cut in winter of 1929. Charcoal an mineral soil. White pine charcoal found.

OVERSTORY:

Total Age COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10													
10-15			173							146			
15-20		Butt rot											
20-25	240	→ Dead											
25-30	240 250 252	center rot outside		Difference in age may be due to narrow rings									
30-35	270 255			on outside of stump causing inaccurate count.									
35 up	270 277	outside	plot										
Hgts.	276 270	" "	" "										
Dead													
Down													

Distribution Uniform

Crown density Approx. age Vigor Pine decadent, overmature.

Remarks W. pine stump ~~250~~ ~~262~~ ~~270~~ yrs. just N. of Plot 5A.

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution Group-wise

Approx. age 4" Hem. 120 yrs. Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres.../.0.0..... Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

VII

Plot No. 6 A Date 4/21/30

Area of plot 1 A. Location N.E. of Mt. Pisgah 1/4 mile

Type Hemlock Forest form

Aspect Slope Relative elevation 70' below summit Mt. Pisgah

Remarks (Evidence of fire, culling, etc.) Charcoal in humus

Cut 1928-'29

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10		280											
10-15		280 260											
15-20		388 270 374½											
20-25		254 276											
25-30		280											
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution Uniform

Crown density Approx. age Vigor

Remarks 2½ Hem. seedling 30 yrs. old

Be. 2' stump 15" 173 yrs. (outside plot)

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age 7" Hem. 180 yrs. Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Sv.M	TRO	
- 1′		[illegible]	[illegible]								[illegible]	[illegible]	
1′-15′		[illegible]	[illegible]								[illegible]		

No. Mil Acres....100.... Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. VIII Date 4/21/30

Area of plot .1 A. Location N. E. of Mt. Pisgah

1929 Cutting

Type Hardwood Forest form

Aspect S.E. Slope 5° Relative elevation 75' below Mt. Pisgah

Remarks (Evidence of fire, culling, etc.) Charcoal in humus

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	R.S.		
-10			•										
10-15			168 188								257		
15-20			200										
20-25													
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down											•		

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Sm.	Spr.	
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age 3" Hem. 60 yrs. Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′	Few	Few	Few										
1′-15′													

No. Mil Acres..... Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount.....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. 8A Date 4/21/30

Area of plot ..... A. Location N.E. of Mt. Pisgah

1429 earthing

Type Hem. - Mixed Forest form .....

Aspect S.E. Slope 5° Relative elevation .....

Remarks (Evidence of fire, culling, etc.) .....

OVERSTORY: Total Age

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Ches.		
-10													
10-15		260											
15-20		248 247	"										
20-25		286	"										
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down		"	"								"		

Distribution .....

Crown density ..... Approx. age ..... Vigor .....

Remarks .....

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4			"						"				
4- 6			"			"	"						
6-10		"											
10-15													
15 up													
Hgts.													

Distribution .....

Approx. age ..... Vigor .....

Remarks .....

Not recorded

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. 9 A Date 4/12/30

Area of plot Entire slope A. Location West slope - North of Kilburn shanty. Age. Counts on stumps. Cutting 5 yrs. age.

Type Hem. - Hdwd Forest form Even-aged old growth

Aspect West Slope 20° Relative elevation

Remarks (Evidence of fire, culling, etc.) Cutting done on lower slope and in valley (brook flowing south). Pine - hemlock old growth on ridge top above (east) of this area. (Lotti + Haley)

OVERSTORY: AGE.

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10													
10-15		135											
15-20		270	175						158				
20-25		262											
25-30	165												
30-35													
35 up													
Hgts.													
Dead													
Down													

Distribution Uniform

Crown density Approx. age Vigor

Remarks Fire on slope approx. 140 yrs. age (ring count)

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XI Date 4/30/30

Area of plot 1 A. Location Ridge 1000' W. of Woodmouse shanty

Type Pine – Hd – Hem. Forest form Selection

Aspect East Slope 20% Relative elevation 50' above valley bottom

Remarks (Evidence of fire, culling, etc.) Charcoal over leached layer; fire scars on old hardwoods.

(This and following plots corrected for stump hgt. – Hm. 1"/yr, Pine 2.5"/yr, Be. 1"/yr.

OVERSTORY:

Age COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest.		
-10													
10-15		184	•			•							
15-20				•						180	•• 185		
20-25	175 168										185		
25-30											185		
30-35	170												
35 up													
Hgts.													
Dead													
Down											••		

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4		•	2										
4- 6			••										
6-10			••			•							
10-15				•									
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres..... Distribution.....

Approx. age .....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount .....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XII Date 4/30/30

Area of plot 1 A. Location 1000' W. of Plot XI

Type Hm. Forest form Selection

Aspect S.W. side of N-S Valley Slope 10% Relative elevation 50' above valley bottom

Remarks (Evidence of fire, culling, etc.) Sheltered Charcoal over leached layer.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10													
10-15													
15-20		307											
20-25		282 ✓											
25-30		250 ✓ 305 ✓											
30-35	264 ✓												
35 up													
Hgts.													
Dead													
Down			•										

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4		••	••										
4- 6													
6-10		•											
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Sp		
- 1′													
1′-15′													

No. Mil Acres.....Distribution Hm in hals. + under hds. none under Hm.

Approx. age 10-100 yrs

Vigor Good

Remarks .....

.....

GROUND COVER.

General distribution and amount .....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XIII Date 4/30/30

Area of plot 1 A. Location 500' N.E. of Plot XII

Type Hem – Hdwd – Pine Forest form Selection

Aspect S.W. – 1/2 way up slope Slope 10 % Relative elevation 60 – 75' above valley.

Remarks (Evidence of fire, culling, etc.) Small bits of charcoal found on top of leached layer.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
-10						110 ±							
10-15		266 ✓ 264 ✓											
15-20		265 ✓											
20-25		266											
25-30	245(?)	308 ✓ 275 ✓											
30-35													
35 up													
Hgts.													
Dead													
Down													

→ One other with center gone

Distribution

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution Hem seems to be most heavy under Hdw. overstory.

Approx. age Vigor

Remarks

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 1′													
1′-15′													

No. Mil Acres.....Distribution...Hm...in...patches...under...hdwds.....

Approx. age ..10..-..50...yrs.....

Vigor....Good.....

Remarks .....

.....

GROUND COVER.

General distribution and amount .....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

checked

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XIV Date 4/30/30

Area of plot 1 A. Location 500' West of Plot XIII

Type Pine – Hem. Forest form Selection

Aspect West Slope Knoll Relative elevation 50' below ridge top

Remarks (Evidence of fire, culling, etc.) Fire scars on stumps. 140 yrs ± since last fire.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest.		
-10			•										
10-15		254 256											
15-20	256	264 254											
20-25		266											
25-30		260											
30-35	235 (?)												
35 up													
Hgts.													
Dead											•		
Down	••	••								•	••		

Distribution Uniform

Crown density Approx. age Vigor

Remarks

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XV ..... Stump Plot. Date ..... May 1, 1930 .....

Area of plot ..... 1 ..... A. Location About S. 30° W. from Deer mouse shanty.

Type Hardwood (Hdwd. Group in Hm-Pine-Hd.) Forest form ..... Selection

Aspect Very protected - Small bench just aff. low ridge top ..... Slope 2° S.W. ..... Relative elevation 50' above creek bottom.

Remarks (Evidence of fire, culling, etc.) Small pieces of charcoal found in leached layer. Looks as though previous old stand on plot was mainly chestnut overstory with beech and a few birch and hemlock in the advance growth. Chestnut passed out 50+ yrs. ago and left mainly hardwoods.

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest.		
-10													
10-15			•192 ✓ •181 ✓										
15-20		•	• •204 ✓			•							
20-25			••										
25-30													
30-35													
35 up													
Hgts.													
Dead													
Down			••								••		

Distribution .....

Crown density ..... Approx. age ..... Vigor .....

Remarks .....

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution .....

Approx. age ..... Vigor .....

Remarks .....

ADVANCE GROWTH: (Trees under 15 ft. in height)

COMPOSITION AND HEIGHT.

HGT	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Sh. H		
- 1′													
1′-15′													

No. Mil Acres..... Distribution.....

Approx. age ...2" bonded ... grass old.....

Vigor.....

Remarks .....

.....

GROUND COVER.

General distribution and amount .....

COMPOSITION.

Species	F.	M.	P.	Species	F.	M.	P.	Species	F.	M.	P.

SOIL.

DEPTHS.

	1	2	3	Average
Litter				
Duff				
Humus				
Total				
Leached				
Dark brown				

Remarks .....

.....

.....

.....

.....

.....

HARVARD FOREST RECORDS.

Pisgah Old Growth Study.

Plot No. XVI Date May 1, 1930

Area of plot 1 A. Location Adjoining plat XV on south side

Type Hemlock-Hdwd-Pine Forest form Selection

Aspect Small bench (Protected) Slope 2° S.W. Relative elevation 50' above creek

Remarks (Evidence of fire, culling, etc.) Small pieces of charcoal in leached layer (Chestnut charcoal)

OVERSTORY:

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.	Chest.		
-10													
10-15													
15-20		169									168 → 12' from 170 yr. pine		
		165											
20-25			170										
25-30		272											
30-35	170'												
35 up													
Hgts.													
Dead													
Down													

Age

within 8' of 170 yr. old pine

30' from 170 yr. old pine

another pine (off plot) 18" D.B.H. + 170 yrs. old.

~~Distribution~~ Most have been a sizeable opening in canopy.

~~Crown density~~ ~~Approx. age~~ ~~Vigor~~ In this plat 170 yrs. or more

Remarks age, pine, hem, and hdwds started practically together.

MIDDLE STORY: (Subordinate stand down to height of 15 ft.)

COMPOSITION AND SIZE.

DBH	W.P.	Hem.	Be.	R.M.	P.B.	B.B.	Y.B.	H.M.	W.A.	R.O.			
- 4													
4- 6													
6-10													
10-15													
15 up													
Hgts.													

Distribution

Approx. age Vigor

Remarks