



# LIBRARIES

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## **Site 1209: Paoli Oak Opening, Dane County, Township 5N, Range 8E, Section 1. 1953-07-10**

[s.l.]: [s.n.], 1953-07-10

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STAND RECORD

FORESTS

Stand No. 1209

Name: *Pepi Oak opening*      Locality:  
 County: *Dane*      T: *5N* R: *8E* Sec: *1 NE 1/4*  
 Date: *July 10 1953*      Observers: *Curtiss, Lottman*  
 Size of Stand: *10 acres*      Size of Area Sampled: *10 acres*  
 Forest Type: *Bar oak*      Soil Type:  
 Topography: *Top of W slope of moraine*      Slope:      Directions

Condition of Stand: *Excellent oak opening. NOT now grazed. Prairie herbs + grasses present, but not abundant*

*No Distances - 5 trees per point - 10 points*

Open Grown Trees: *all open grown*      % Canopy:

Stumps:			
1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A <sub>0</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>1</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>2</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____	_____	_____	_____	_____

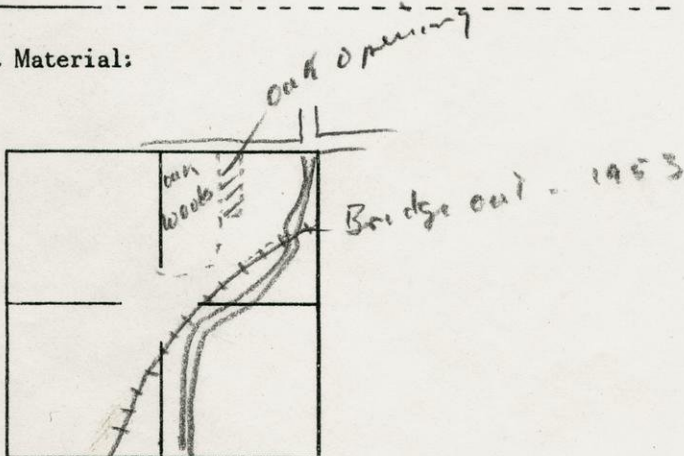
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A <sub>0</sub>	-----
A <sub>1</sub>	-----
A <sub>2</sub>	-----
B	-----

Parent Material:

Map:



Pauli  
50

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10		
Acer rubrum												
A. saccharum												
Betula papy.												
Carpinus car												
Carya cord												
C. ovata												
Celtis occ												
Crataegus sp.												
Fagus grand												
Fraxinus am												
F. nigra												
Juglans cin												
J. nigra												
Ostrya virg												
Populus gran												
P. tremul												
Prunus serot												
Quercus alba												
Q. ellipsoid												
Q. macrocarpa	130 70 30	110 320 160	120 280	150 17 140	50 17 140	340 120 16	30,60 40 250	45 55 55	40 40 140	180 40 55	100 35 280	190 160 220 80 60
Q. rubra												
Q. velutina			150	180	60 30	180			140 40	250		
Tilia amer												
Ulmus amer												
Ulmus fulva												
Distance												

10  
42  
5479  
6  
8  
1180

Book 05 1209

Presence or Frequency  
(Common species only)

PRAIRIES

Stand No. 1209  
Quadrat No.

- ✓ Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- ✓ Amorpha canescens
- ✓ Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- ✓ Anemone cylindrica
- Anemone patens
- ✓ Antennaria sp.
- ✓ Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- ✓ Asclepias syriaca
- Asclepias tuberosa
- ✓ Asclepias verticillata
- Asclepias viridiflora
- ✓ Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus
- Cicuta maculata
- Cirsium discolor
- Comandra richardsiana
- Convolvulus sepium
- Coreopsis palmata
- ✓ Cornus femina
- ✓ Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- ✓ Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata

- ✓ Fragaria virginiana
- Galium boreale
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum
- Geum triflorum
- Hedeoma hispida
- ✓ Helianthemum sp.
- Helianthus grosseserratus
- ✓ Helianthus laetiflorus
- Helianthus occidentalis
- Helianthus strumosus
- Heliopsis helianthoides
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- ✓ Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- ✓ Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- ✓ Monarda fistulosa
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- ✓ Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- ✓ Panicum leibergii
- Panicum oligosanthos
- ✓ Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- ✓ Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- ✓ Rhus radicans
- ✓ Rosa sp.
- Rudbeckia hirta
- Salix humilis
- Saxifraga pennsylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- ✓ Smilacina stellata
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- ✓ Solidago nemoralis
- Solidago rigida
- ✓ Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- ✓ Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- ✓ Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- ✓ Viola pedata
- Viola pedatifida
- ✓ Vitis vulpina
- Zizia aptera
- Zizia aurea

Additional species:

Lathrodialus

Stem lupinus quadrifida  
Anagallis  
Ran. thymus idaeus

Geum strictum  
Eryg. pulchellus x  
Agrimonia  
Arcaea  
Vida cullata

A. sagittifolius  
Pentstemon missouriensis  
Ribes  
Rubus  
Potamogeton amplifolius

STAND RECORD

FORESTS

Stand No. 1209

Name: Paoli

County: Dane

Date: July, 1953

Size of Stand: 10 acres

Forest Type: bur oak opening

Topography: sloping away from bluff

Locality:

T: 8E R: 5N

Sec: 1 NENE

Observers: Bray, L. Miller

Size of Area Sampled: 5 acres

Soil Type:

Slope: 200 Directions west

Condition of Stand: trees excellent  
herbs recovering from grazing

Open Grown Trees:

% Canopy: 60%

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A <sub>0</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>1</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>2</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____	_____	_____	_____	_____

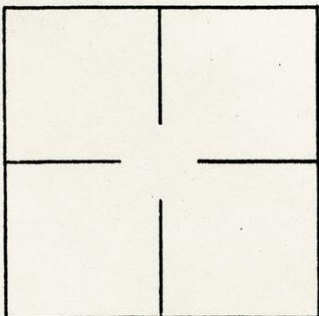
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A <sub>0</sub>	-----
A <sub>1</sub>	-----
A <sub>2</sub>	-----
B	-----

Parent Material:

Map:



Pauli July, 1958

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1209

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg										
Populus gran	384	118	374	564	440	41	166	374	197	173
P. tremul	50 6	41 10	28 2	50 12	50 12	43 20	41 7	45 10	43 10	45 14
Prunus serot									37° 10'	
Quercus alba	42° 6'	36° 10'	25° 2'	42° 12'	42° 12'	37° 20'	36° 7'	39° 10'	37° 2'	40° 14'
Q. ellipsoid	24° 25'	15° 12'	26° 22'	28° 31'	27° 23'	15° 1'	14° 16'	23° 25'	13° 22'	15° 18'
Q. macrocarpa	150 65	40 90	220 40	210 50	160 190	150 170	65 160	150 230	270 40	90 25
Q. rubra	26° 18'	17° 26'	13° 11'	10° 10'	11° 29'	16° 10'	25° 11'	22° 33'	2° 0'	12° 6'
Q. velutina	101 33°	10° 39°	71° 22°	10° 36°	10° 38°	16° 61°	40° 40°	43° 43°	12° 25°	14° 33°
Tilia amer						35°				
Ulmus amer	10 37	10 45	7 25	10 44	10 44	6 40	11 47	11 52	12 28	14 26
Ulmus fulva	315	297	93	66	245	166	357	491	1	52
Distance	13	17	15	23	12	34	11	32	29	10

Pauli

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1209

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg					135	173	679	221	156	145
Populus gran	52	492	38	97	(47)	(60)	(44)	(45)	(47)	(41)
P. tremul	(22)	(52)		(52)	(18)	(19)	(10)	(25)	(8)	(10)
Prunus serot	(8)	(7)	(16)	(6)	40°	18	48°			
Quercus alba	81	43° 71	(9)	43° 61	17	19	101	251	40° 8	36° 10
Q. ellipsoid	8	24	12° 91	9	25	17	31	14	21	20
Q. macrocarpa	15 19°	190	50 30	330 100	150 85	150 35	370 38	40° 39°	30 210	70 200
Q. rubra			3 12	13 14		5 6			13 22	22 15 39°
Q. velutina	190	300	50	121 34	150	71	240	140	181	
Tilia amer	21	23	17	(12)	17	31°	34	21	37°	(20)
Ulmus amer	21	15	23	(39)	25		22	23		(45)
Ulmus fulva	12 45°	91	91 30	117	71	(7)	151 44°	151 43°	(18)	(43)
	(12)	(9)	(9)		(7)	17	(15)	(15)		
	55	62	30		36		53	55		
	297	270	266		287		419	315	197	222
Distance	14	19	19	20	16	10	11	14	13	19

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Paoli Oak Opening

1209

Tree	No.	No.	Size Class sq. in.			No.	F.%	F.%	D.%	Dom.%	D F D	Station No.	
	Pts.	Tr.	12-80	81-320	321+	Dom	Sap.	Seed	Seed	Tr.	Tr.		Trees
Acerrubrum													Total Length of Transect
A. saccharum													Total Length of Transect
Carya cord.													Total Length of Transect
C. ovata													Ave. Dist. Btw'n Trees
Fagus grand.													Saplings/unit area
Fraxirus amer.													Ave. BA (Total BA=80
F. pennsylvani.													133
Juglans cinere													No. Trees/acre
J. nigra													Dom./acre
Ostrya virgin.													
Populus grand.													
P. tremuloides													
Prunus serotin													
Quercus alba													
Q. macrocarpa	10	42				5476		62.5	84	82.3	228.4		
Q. rubra													
Q. velutina	6	9				1180		37.2	16	17.7	71.2		
Tilia american.													
Ulmus american:													
U. fulva													
Totals	16	50				6656							

C1 = 371.2



Tree	:No.   No.		Size Class sq. in.			D <sup>90</sup>		F.%   F.%   D.%   Dom.%   D F D		:Station No. 1209				
	:Pts.:	Tr.	:12-80:	81-320:	321+ :	Dom:	Sap.:	Seed:	Seed:		Tr.:	Tr.:	Trees:	Index:
Acerrubrum														Total Length of Transect
A. saccharum														Total Length of Transect
Carya cord.														Total Length of Transect
C. ovata							19.4							Ave. Dist. Btw'n Trees
Fagus grand.														Saplings/unit area
Fraxirus amer.														Ave. PA (Total BA=80)
F. pennsylvani.														No. Trees/acre
Juglans cinere.							3.2							Dom./acre
J. nigra														
Ostrya virgin.														
Populus grand.														
P. tremuloides														
Prunus serotin							3.2							
Quercus alba														
Q. macrocarpa							58.1		57.6	61.1	64.1	182.8		182.8
Q. rubra														
Q. velutina							16.1		42.4	38.9	35.9	117.2		234.4
Tilia american.														
Ulmus american.							100.0							
U. fulva														
Totals		80					109.58					300.0		417.2