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Site 1039: Eagle Heights Woods, Dane County, Township 7N, Range 9E, Section 9. 1948-05

[s.l.]: [s.n.], 1948-05

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Stand No: 139

Name: Eagle Heights Woods.

County: Dane

T: 7N R: 9E Sec: 9 Locality: Madison.

Date: May 1948

Observers:

Size of Stand:

Size of Area Sampled:

Forest Type: oak-Basswood.

Soil Type:

Topography:

Condition of Stand:

Open Grown Trees:

Stumps:

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

Soil

Sample No:	pH	N	P	K	Colloids	Vol/wt	WHC
A ₀ _____	---	---	---	---	_____	---	---
A ₁ _____	---	---	---	---	_____	---	---
A ₂ _____	---	---	---	---	_____	---	---

Depth Characteristics (Color, texture, etc.)

A₀ _____

A₁ _____

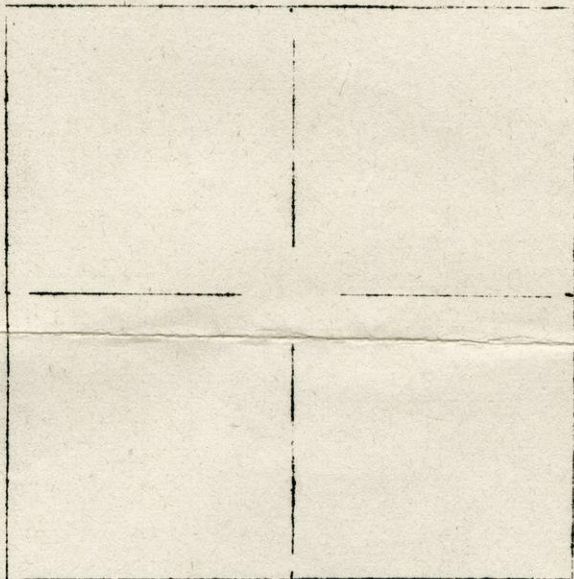
A₂ _____

B _____

Parent Material:

Remarks:

Map



<u>Frequency of Tree species</u>	circumference	
	over 10 inches	under 10 inches
Quercus borealis	.80	.10
Tilia americana	.65	.75
Ulmus americana	.55	.30
Fraxinus americana	.45	1.00
Carya ovata	.30	.15
Populus alba	.20	.25
Celtis occidentalis	.15	.20
Prunus serotina	.15	.50
Quercus macrocarpa	.15	.00
Picea glauca	.05	.10
Quercus alba	.05	.00
Pinus strobus	.00	.05
Carya cordiformis	.00	.05

Density of Tree species

Tilia americana	62	54
Quercus borealis	36	3
Fraxinus americana	23	63
Ulmus americana	22	8
Carya ovata	8	4
Quercus macrocarpa	7	0
Prunus serotina	5	174
Populus alba	4	14
Celtis occidentalis	3	7
Quercus alba	2	0
Picea glauca	1	2
Pinus strobus	0	3
Carya cordiformis	0	1

<u>Abundance in Tree species</u>	circumference	
	over 10 inches	under 10 inches
<i>Tilia americana</i>	4.76	3.60
<i>Fraxinus americana</i>	2.55	3.15
<i>Quercus macrocarpa</i>	2.33	0.00
<i>Quercus borealis</i>	2.25	1.50
<i>Ulmus americana</i>	2.00	1.33
<i>Quercus alba</i>	2.00	0.00
<i>Prunus serotina</i>	1.66	17.40
<i>Carya ovata</i>	1.33	1.33
<i>Populus alba</i>	1.00	2.80
<i>Celtis occidentalis</i>	1.00	1.75
<i>Picea glauca</i>	1.00	1.00
<i>Pinus strobus</i>	0.00	3.00
<i>Carya cordiformis</i>	0.00	1.00

1039

Eagle Heights Woods

May 15, 1948

Miss Barbara Blumenfeld

For Bot 216

Frequency of Shrub species15 quadrats, 10 M²

Aralia nudicalis	.93
Prunus virginiana	.86
Cornus alternifolia	.86
femina	
rugosa	
Parthenocissus vitacea	.60
Lonicera dioica	.53
Vitis vulpina	.40
Clematis virginiana	.40
Lonicera tartarica	.26
Viburnum acerifolium	.20
Celastrus scandens	.13
Berberis vulgaris	.13
Menispermum canadense	.10
Corylus americana	.10

Frequency of Herbaceous species

Hydrophyllum virginianum appendiculatum	.75
Solidago latifolia	.73
Dicentra Cucullaria	.71
Hepatica acutiloba	.66
Sanguinaria canadensis	.66
Uvularia grandiflora	.53
Thalictrum dioicum	.40
Sanicula marilandica	.35
Adiantum pedatum	.33
Anemone quinquefolia	.33
Aster shortii	.33
Aquilegia canadensis	.31
Osmorhiza Claytone	.31
Viola pubescens	.31
Smilacina racemosa	.26
Galium concinnum	.22
Cystopteris fragilis	.20
Helianthus	.17
Podophyllum peltatum	.13
Geranium maculatum	.13
Eupatorium rugosum	.11
Polygonatum commutatum	.08
Orchis spectabilis	.06

Lathyrus venosus var. intonsus	.06
Sedges	.06
Cypripedium pubescens	.04
Botrychium virginiana	.04
Fragaria virginiana	.04
Viola cucullata	.04
Grasses	.04

P. 1
NW side

STD 3

Location
Eagle Heights

Botany 165

Date 5/15/58

Observers CJC (3)

Quarter method data form

Point number	1	2	3	4	5	6	7	8	9	0
<i>Prunus serotina</i>	30 27									
<i>Quercus alba</i>		150 60	150 140	110	125			70 240	92 190	50 160
<i>Quercus macrocarpa</i>										
<i>Quercus rubra</i>	405	340	50	230 170 500	340 320	210 270 310				390
<i>Quercus velutina</i>		145				150	150 150 370		180	190
<i>F americana</i>	28	4	42	4		1	50	45	45	3
<i>Tilia</i>	1					1				1
<i>Carya cordiformis</i>								55		
<i>A nigricans</i>			1			1				
<i>U rubra</i>					75					
Tree distances	11 1/2 12 1/2 14 17	11 26 27 13	42 22 38 19	8 1/2 14 23 32	19 33 12 1/2 20 1/2	14 1/2 19 1/2 27 1/2 47	26 9 1/2 31 5 1/2	13 1/2 13 37 55	28 25 25 24	23 1/2 34 19 19
Sapling distances	8 17 28 8	5 1/2 4 19 13	4 10 1/2 17 13	23 18 13 1/2 23	9 26 21 17 1/2	4 12 1/2 13 1/2	13 1/2 17 42 40	7 14 1/2 22 35	7 13 24 1/2 33 1/2	8 1/2 30 13 1/2 25

2/1
12/7
7/5
8/5
1/1
1/1

P 2
SE side

57D3

Location Eagle Hts

Botany 165

Date

(3)

Observers

Quarter method data form

Point number	1	2	3	4	5	6	7	8	9	0	
	(4)	(4)	(1)	(1)	(4)	(2)	(3)	(2)	(2)	(4)	
<i>Prunus serotina</i>											
<i>Quercus alba</i>	75 85	67 320	290 140 300	110 150	60 110 30	72 90 65 120	38 132 230	132 250 105	95 120 95 120	100 130 140	29 10
<i>Quercus macrocarpa</i>											
<i>Quercus rubra</i>	170	330		130							3/3
<i>Quercus velutina</i>	80 55	80	170	175	280		165				6/6
<i>F americana</i>			(2)	(2)		(1)	45	45(2)	(2)		1/1
<i>Tilia</i>										60	1/1
<i>A. negundo</i>			(1)	(1)							
<i>Celtis</i>				(1)							
<i>U. rubra</i>						(1)					
<i>C. cordifolia</i>							(1)				
Tree distances	10 22 1/2 8 1/2 27 1/2	54 21 8 1/2 15	75 12 40 37	9 1/2 16 20 7	25 17 15 5 1/2	21 5 16 19	23 29 17 12 1/2	14 1/2 24 28 32	15 12 21 17	7 13 10 6	(1700)
Sapling distances	12 1/2 20 12 1/2 26 1/2	6 21 26 9	5 25 34 21 1/2	20 1/2 13 10 11	4 1/2 6 13 1/2 24	11 10 1/2 9 16	3 4 1/2 6 10	7 1/2 12 13 14 1/2	7 29 16 1/2 12	4 6 10 1/2 14 1/2	1203 (79)

$\bar{X} = 21.25$

$\bar{X} = 15.23$

EAGLE HTS- SP	(3)	Pts	TREES	DOM	Pts SAP	No. SAP	F% SAP	D% SAP	F% TREES	D% TREES	DOM% TREES	I.V.	AN	CI	
PRUNUS	SEROTINA	1	2	57	15	35	38.46	46.06	2.08	2.50	2.46	5.04	3.6	18.14	
QUERCUS	ALBA	17	41	5,258					35.41	51.25	42.37	129.03	3.6	464.51	
Q.	MACROCARPA														
Q.	BOREALIS	10	15	4,165					20.83	18.75	33.56	73.14	5.6	409.58	
Q.	VELUTINA	11	13	2,485					22.91	16.25	20.02	59.18	2.5	147.95	
FRAXINUS	AMERICANA	6	6	255	15	32	38.46	42.11	12.50	7.50	2.05	22.05	6.7	147.74	
TILIA	AMERICANA	1	1	60	3	3	7.69	3.95	2.08	1.25	.48	3.81	7.3	27.81	
ACER	NEGUNDO				3	3	7.69	3.95							
CELTIS	OCCIDENTALIS				1	1	2.56	1.32							
ULMUS	RUBRA	1	1	75	1	1	2.56	1.32	2.08	1.25	.60	3.93	8.2	32.23	
CARYA	CORDIFORMIS	1	1	55	1	1	2.56	1.32	2.08	1.25	.44	3.77	8.6	32.42	
TOTALS		48	80	12,410	39	76	99.98	100.03	99.97	100.0	99.98			1280.38	
		T/A = 96.5					SAP/ACRE 187.8								
		DOM/ACRE 14,967.2					AV. BA = 155.15								