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Site 1001: Mill Race Wood, Dane County, Township 5N, Range 7E, Section 8. 1948-07-03

[s.l.]: [s.n.], 1948-07-03

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1001

Stand No: 101 Name: Mill Race Wood.
 County: Dane - Primrose T: 5N R: 7E Sec: 8 NE Locality: Mt. Vernon.
 Date: July 3, 48 Observers: Anderson, McIntosh
 Size of Stand: 20 acres Size of Area Sampled: 40 pts - 20-1 m quad
 Forest Type: Oak/Basswood & Maple Soil Type: Knox Silt loam
 Topography: NE Slope 10-25% w/ Gully from field above (Part steep phase)

Condition of Stand: Good. - Cutting several years old, all oak.
 No signs of grazing -
 Mixed Oak Basswood.

Open Grown Trees: white oak Present. 3

Stumps:

1. Red Oak	92	6. Red Oak	90
2. " "	86	7. " "	80
3. " "	90	8. " "	86
4. " "	80	9. " "	91
5. " "	94	10. " "	

Soil Partly has soil data (D-28)

Sample No:	pH	N	P	K	Colloids	Vol/wt	WHC
A0	—	—	—	—	—	—	—
A1	—	—	—	—	—	—	91.2
A2	—	—	—	—	—	—	51.5

Depth 16"

Characteristics (Color, texture, etc.)

Rock fragments at 6"

A0

A1 3"

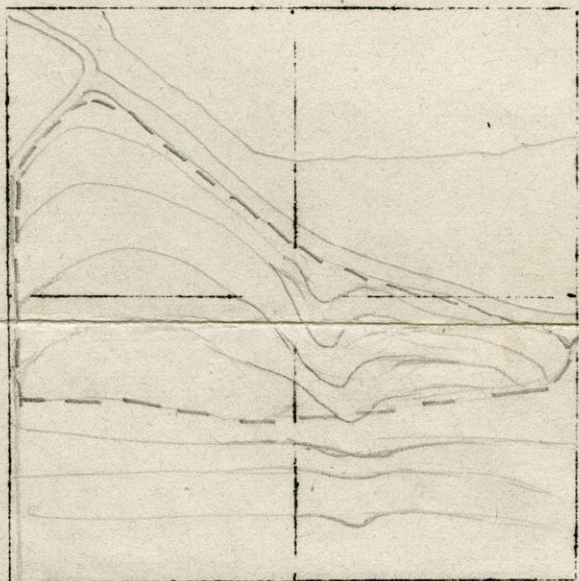
A2 1"

B

Parent Material:

Remarks:

Map NW 1/4 Sec. 8. N



Tree	# Pts	# Tr.	Size Cl. sq. in. -80:-320:-321	Dom.	# Sap	# Seed	F.% Seed	F.% Tr.	D.% Tr.	Dom % Tr.	D F D Index	CI	Station No. 1001
Acer rubrum			10 1										Total Length of Transect. 666.75
A. sacchar.	10	11	368 150	3865	10	3	15	139	137	56.19	34	340	Total Area of Transect. 2167 sq. ft.
Carya cord.	1	1	14	14.0	1			1.4	1.25	.2	3	7	Ave. Dist. Btw'n Trees 16.7'
C. ovata													Saplings/unit area/Sapling 108 sq. ft.
Fagus gran.													Ave. BA (Total BA=80) 78.0 sq. in.
Fraxinus am													No. Trees/acre
F. penn.													Dom./acre
Juglans cin													
J. nigra			2										
Ostrya vir.	2	2	36	36.0	1	5	2.8	250	.6	6	48		
Populus gr.													
P. tremuloi			3 1										
Prunus sero	3	4	68 90	158.0	3	2	10	4.25	100	2.53	12	42	
Quercus al.	15	15	60 125	725.0				208	875	11.61	51	204	
Q. macrocar			9 17 1										
Q. rubra	23	27	444 559 360	3363.0	1			4.9	375	53.86	119	714	
Q. velutina													
Tilia amer.	12	13	8 5 60 630	890.0	4	3	15	166	1625	14.25	47	352	
Ulmus amer.			4 3										
U. fulva	6	7	82 589	671.0	1	1	5	8.3	875	10.74	28	196	
Prunus vir.						4	20						
Totals			80 = 51 + 28 + 18 = 170.5 4143 360	6242.5	20								1903

Size classes in sq. in. on basis of dbh. ^{unit}

CI = 1903

1001 (Done)

Size Class Distribution by Age Class																	
Sap.	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24
	12-19	20-28	29-38	39-50	51-63	64-78	79-95	96-113	114-132	133-153	154-176	177-201	202-254	255-314	315-380	381-452	
Pop. trem.																	
Querc. ellip.																	
Q. macrocarp.																	
Q. velut.																	
Prun. serot.	3	1	2				1										4
Querc. alba			2	6	1	3	2		1								15
Pop. grand.																	
Carya ovata																	
Querc. rubra	1	2		1	4		1	3	1	3	3	1	3	3	1	1	27
Juglans nig.																	
Frax. amer.																	
Acer rubrum																	
Tilia amer.	4	2	2	1	2	1		3		1	1						13
Jug. cinerea																	
Ulmus amer.																	
Celtis occ.																	
Ulm. rubra	1	1	3					1					1	1			7
Carya cord.	1	1															1
Ostrya virg.		1	1														2
Acer sacc.	10	5	2	2		1				1							11
	20																80
Av dist	16.7																
Av BA	78																
Trees/acre	180																
Dom/acre	14,040																
NE slope			79			34		29			22		11		4		180

cutting several yrs. old

trees/acre in various size classes

Duplicates

Tree	No.	No.	Size Class	sq. in.	No.	Wo %	F %	F %	D %	Dom %	D F D	CL	Station No.
	Pts.	Tr.	12-80	81-320	321+	Dom	Sap.	Seed	Seed	Tr.	Tr.	Trees	Index
Acerrubrum													Total Length of Transect 666.75'
A. saccharum	10	11	$\frac{10}{23.65}$	$\frac{1}{150}$	386.5	10	3	15	13.9	13.75	6.2	334	340
Carya cord.	1	1	$\frac{1}{14}$		14.0	1			1.4	1.25	.2	3	7
C. ovata													Total Length of Transect 216.7 sq. ft.
Fagus grand.													Ave. Dist. Btw'n Trees 16.7'
Fraxirus amar.													Saplings/unit area 108 sq ft / Sapling
F. pennsylvani.													Ave. BA (Total BA) 80
Juglans cinere.													78.0 sq in.
J. nigra													No. Trees/acre 180
Ostrya virgin.	2	2	$\frac{2}{36}$		36.0		1	5	2.8	2.50	1.6	76	48
Populus grand.													Dom./acre 14,040 sq in
P. tremuloides													
Prunus serotin	3	4	$\frac{3}{68}$	$\frac{1}{90}$	158.0	3	2	10	4.2	5.10	2.53	112	42
Quercus alba	15	15	$\frac{15}{600}$	$\frac{1}{125}$	725.0				20.8	18.75	11.61	51	204
Q. macrocarpa													
Q. rubra	23	27	$\frac{9}{444}$	$\frac{17}{2559}$	$\frac{1}{360}$	3363.0	1		31.9	33.75	53.86	119	714
Q. velutina													
Tilia american.	12	13	$\frac{8}{260}$	$\frac{5}{630}$	890.0	4	3	15	16.6	16.25	14.25	47	1352
Ulmus american.													
U. fulva	6	7	$\frac{4}{22}$	$\frac{3}{589}$	671.0	1	1	5	8.3	8.75	10.74	28	1196
Prunus virginiana							4	20					
Totals	80	80	$\frac{51}{1740.5}$	$\frac{28}{4143}$	$\frac{1}{360}$	6243.0	20						1903

Station No. 10012122232425262728293031323334353637383940

Trees: Dist. But 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Acer negundo

A. rubrum

A. saccharinum

A. saccharum

Betula lutea

B. nigra

B. papyrifera

Carpinus carol.

Carya cordiform.

C. ovata

Celtis occident.

Crataegus sp.

Fagus grandif.

Fraxinus americ.

F. nigra

F. pennsylvanica

Gleditsia tria.

Gymnocladus dio.

Juglans cinerea

J. nigra

Ostrya virgin.

Platanus occid.

Populus deltoid.

P. grandident.

P. tremuloides

Prunus american.

P. pennsylvan.

P. serotina

P. virginiana

Quercus alba

Q. bicolor

Q. ellipsoid.

Q. macrocarpa

Q. rubra

Q. velutina

Robinia pseudo.

Salix nigra

Sorbus americana

Tilia americana

Ulmus americana

U. fulva

U. thomasi

Shrubs & Herbs:

Actaea sp.

Adiantum pedat.

Agrimonia gryp.

Aletris farin.

Allium canad.

A. tricoccum

Amelanchier sp.

Amphicarpa brac.

A. b. v. comosa

Anaphalis marg.

Anemone cylindr.

A. quinquefolia

A. virginiana

Anemonella thal.

Antennaria sp.

Aplectrum hiem.

Apocynum andros.

Aquilegia cana.

Arabis canadens.

A. laevigata

[illegible]

S = Sapling
✓ = seedling in quad or presence of in Herb. shrub.

1001

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Trees: Dist. Set.	19	11.5	14.5	10.5	17	11	6.5	16.5	16	14	11.5	16.5	34	19.5	22	24	16	8	15.5	16
Acer negundo																				
A. rubrum																				
A. saccharinum																				
A. saccharum																				
Betula lutea																				
B. nigra																				
B. papyrifera																				
Carpinus carol.																				
Carya cordiform.	✓																			
C. ovata																				
Celtis occident.																				
Crataegus sp.																				
Fagus grandif.																				
Fraxinus americ.																				
F. nigra																				
F. pennsylvanica																				
Gleditsia tria.																				
Gymnocladus dio.																				
Juglans cinerea																				
J. nigra																				
Ostrya virgin.																				
Platanus occid.																				
Populus deltoid.																				
P. grandident.																				
P. tremuloides																				
Prunus american.																				
P. pennsylvan.																				
P. serotina																				
P. virginiana																				
Quercus alba	50	35																		
Q. bicolor																				
Q. ellipsoid.																				
Q. macrocarpa																				
Q. rubra	220	14																		
Q. velutina																				
Robinia pseudo.																				
Salix nigra																				
Sorbus americana																				
Tilia americana	✓	11.5	12	16																
Ulmus americana																				
U. fulva																				
U. thomasi																				

Shrubs & Herbs:

- Actaea sp.
- Adiantum pedat.
- Agrimonia gryp.
- Aletris farin.
- Allium canad.
- A. tricoccum
- Amelanchier sp.
- Amphicarpa brac.
- A. b. v. comosa
- Anaphalis marg.
- Anemone cylindr.
- A. quinquefolia
- A. virginiana
- Anemonella thal.
- Antennaria sp.
- Aplectrum hiem.
- Apocynum andros.
- Aquilegia cana.
- Arabis canadens.
- A. laevigata

1 2 3 4 5 6 7 8 9 10 *

[illegible]

1 2 3 4 5 6 7 8 9 10

- [illegible]

Station No. 1001

[illegible]

HARDWOOD SURVEY

TYPE:

[illegible]

STATION NO. 1001	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	No Fls	F%	
SHRUBS & HERBS (Cont'd)																								
Allium canad.	✓							✓															1	5
A. tricoccum	✓													✓	✓								2	10
Amorpha canescens																								
Amphicarpa brac.	✓						✓	✓				✓											3	15
A. b. v. comosa																								
Anaphalis marg.																								
Anemone cylindr.	✓																							1
A. quinquefolia																								
A. virginiana	✓																							1
Anemonella thal.	✓																							1
Antennaria sp.																								
Aplectrum hiem.																								
Apocynum andros.																								
Aquilegia cana.	✓																							1
Arabis canadens.																								
A. laevigata																								
A. lyrata																								
A. perstellata																								
Aralia hispida																								
Aralia nudicaul.	✓								✓		✓									✓			3	15
A. racemosa																								
Arenaria laterif.																								
Arisaema atror.	✓																							1
A. dracontium																								
Asarum canad.	✓							✓	✓														2	10
Asclepias ovalif.																								
A. phytolaccoides	✓																							1
Aster azureus																								
A. lateriflorus																								
A. macrophyllus	✓																							1
A. paniculatus	✓																							1
A. Prenanthoides																								
A. sagittifolius																				✓			1	5
A. shortii												✓											1	5
Athyrium angust.	✓							✓											✓				2	10
A. pycnocaroon																								
A. thelypter.																								
Aureolaria gran.																								
Besseya bullii																								
Boehmeria cylin.																								
Botrychium multif																								
v. intermedium																								
B. virginianum	✓							✓				✓									✓		3	15
Brachyelytrum er.																						✓	1	5
Bromus purgans	✓																							1
Campanula americ.																								
Camptosorus rhizop.																								
Carex albursina	✓																							1
C. convoluta																								
C. pennsylvan.																								
Castilleja coccin.																								

Hardwood Survey (Cont'd)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]