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Site 4019: Tower Hill, Iowa County, Township 8N, Range 4E, Section 17. 1950-08-27

[s.l.]: [s.n.], 1950-08-27

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Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No.

Name: *Tower Hill*County: *Iowa*Date: *27 July 50*

Size of Stand:

Forest Type: *Bottomland Hardwood*Topography: *flat*

Locality:

T: *8N* R: *4E* Sec: *17*Observers: *Ditz*

Size of Area Sampled:

Soil Type: *Sandy alluvium*

Slope: Directions

Condition of Stand:

*Good ; unpastured, but open
places not infrequent*

Open Grown Trees:

% 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 ₀	_____	_____	_____	_____	_____	_____	_____	_____	_____
A ₁	_____	_____	_____	_____	_____	_____	_____	_____	_____
A ₂	_____	_____	_____	_____	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____	_____	_____	_____	_____

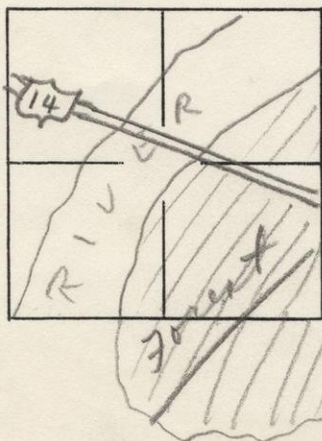
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	-----
A ₁	-----
A ₂	-----
B	-----

Parent Material:

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
^{nigra} Betula papy.	✓				✓					
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grandifolia		65	✓		140					3
Fraxinus am		1			✓	23	4		130	✓ 4
F. nigra				65						1
Juglans cin										
J. nigra										
Asch. fraxinifolia Ostrya vrig	3		2							
^{DEL7} Populus gran	✓									
P. tremul										
Prunus serot										
^{bkd or} Quercus alba			1		80	190	✓ 80 70	100 35		
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer	160	120	155 180	150						
Ulmus amer										
Ulmus fulva										
A. saccharum	140	✓				✓			210	✓ 12 80
Distance	23	48 1/2	30	29	60	50	59	49	52	32

Course 200°

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. ^{nigra}					26			145		
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand ^{Fraxinus}	4-15	2		45				125	28	
Fraxinus am						85				
F. nigra										
Juglans cin										
J. nigra										
Ostrya vrig										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba ^{bicolor}	230			165			180			
Q. ellipsoid ^{bicolor}			580							
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer									310	
Ulmus amer										
Ulmus fulva							285			80
A. scaberrimum	230	270	270		225	225				165
Distance	55	35	40	32	50	27	19 1/2	60	28 1/2	42

Course 2000

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papyr ^{virgin}	95 ✓		✓	✓		80 ✓	✓		35 ✓	
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand ^{Fraxinus}	70 3	✓	2 95	1	55	1	2	1 60	1	1
Fraxinus am	1		✓	1	✓	1	1		115	1
F. nigra			✓		✓	✓				
Juglans cin										
J. nigra										
Ostrya virgin ^{Rob. pseudo}										
Populus gamb ^{albt}										
P. tremul										
Prunus serot										
Quercus alba ^{bicolor}		✓		115	✓			210		
Q. ellipsoid										
Q. macrocarpa										
Q. pubra ^{borealis}		1 265		1						
Q. velutina						1				265
Tilia amer			195		55 290 3			155 2		
Ulmus amer										
Ulmus fulva		210 ✓		✓				✓	1	2
A. saccharum		420			1	85 290		1		
Distance	22 1/2	16	38	41	27 1/2	60	27	36	19	43

Course 70°

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula ^{nigra} papyr.			22		2			90		
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fraxinus ^{Fraxinus} grand		80	1		1		1		1	70 2
Fraxinus am			75	1				95	1	
F. nigra	2	110	1	2	1	95	2	1		1
Juglans cin										
J. nigra										
Q. prinus ^{Q. prinus} v. rig		3							1	
Populus ^{Populus} gran							1			135
P. tremul										
Prunus serot										
Quercus ^{laevis} alba		325			95		275			
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer							205			
Ulmus amer										
Ulmus fulva	95	2	1	2	316	85	2	2	1	1
A. saccharum	35			910	1		1	75	245	1
Distance	37	19 1/2	27	48	16 1/2	55	27	36	43	28

(Cont)

PRESENCE LIST

SOUTHERN FLOODPLAIN FOREST

Stand No.

Acer negundo
Acer rubrum
Acer saccharinum
Acer saccharum
Betula lutea
Betula nigra
Carya cordiformis
Carya ovata
Celtis occidentalis
Crataegus
Fraxinus americana
Fraxinus nigra

Fraxinus pennsylvanica
Fraxinus lanceolata
Fraxinus quadrangulata
Gleditsia triacanthos
Gymnocladus dioica
Juglans cinerea
Juglans nigra
Ostrya virginiana
Platanus occidentalis
Populus deltoides
Populus tremuloides
Prunus serotina

Prunus virginiana
Quercus alba
Quercus bicolor
Quercus ellipsoidalis
Quercus macrocarpa
Quercus rubra
Robinia pseudoacacia
Salix nigra
Tilia americana
Ulmus americana
Ulmus fulva

HERBS & SHRUBS

Acorus calamus
Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Alisma plantago-aquatica
Allium canadense
Alnus incana
Alnus rugosa
Ambrosia trifida
Amorpha fruticosa
Amphicarpa bracteata
Anemone canadensis
Anemone quinquefolia
Anemone virginiana
Anemonella thalictroides
Apios tuberosa
Aralia nudicaulis
Aralia racemosa
Arenaria lateriflora
Arisaema atrorubens
Arisaema dracontium
Asarum canadense
Asclepias incarnata
Aster lateriflorus
Aster paniculatus
Athyrium angustum
Aureolaria grandiflora
Bidens coronata
Bidens vulgata
Botrychium virginianum
Brachyelytrum erectum
Bromus purgans
Caltha palustris
Campanula americana
Carex grayii
Cassia marilandica
Caulophyllum thalictroides
Cephalanthus occidentalis
Cheirophyllum procumbens
Chelone glabra
Cicuta maculata

Circaea latifolia
Cirsium altissimum
Clematis virginiana
Comandra umbellata
Convolvulus sepium
Cornus alternifolia
Cornus femina
Cornus obliqua
Cornus rugosa
Cornus stolonifera
Corylus americana
Cryptotaenia canadensis
Cuscuta sp.
Dentaria laciniata
Desmodium glutinosum
Dicentra cucullaria
Dioscorea villosa
Dryopteris thelypteris
Echinocystis lobata
Ellisia nyctelea
Elymus virginicus
Epilobium palustris
Erythronium albidum
Eupatorium purpureum
Eupatorium rugosum
Fragaria virginiana
Galium aparine
Galium concinnum
Galium obtusum
Galium triflorum
Geranium maculatum
Geum canadense
Geum strictum
Glyceria nervata
Helianthus strumosus
Hepatica acutiloba
Hydrophyllum appendiculatum
Hydrophyllum virginianum
Hypericum ascyron
Hystrix patula
Ilex verticillata

Impatiens biflora
Iris virginica
Juncus tenuis
Lactuca spicata
Laportea canadensis
Leersia oryzoides
Lilium philadelphicum
Lippia lanceolata
Lobelia cardinalis
Lonicera prolifera
Lycopus americana
Lycopus uniflorus
Menispermum canadense
Muhlenbergia sp.
Napaea dioica
Onoclea sensibilis
Osmorhiza claytoni
Osmorhiza longistylis
Osmunda regalis
Parietaria pennsylvanica
Parthenocissus vitacea
Phlox divaricata
Phryma leptostachya
Physocarpus opulifolius
Physostegia virginiana
Pilea pumila
Podophyllum peltatum
Polemonum reptans
Polygonatum commutatum
Polygonum sagittatum
Polygonum virginianum
Prenanthes alba
Ranunculus abortivus
Ranunculus recurvatus
Ranunculus septentrionalis
Rhus radicans
Ribes americanum
Ribes cynosbati
Ribes missouriense
Rorippa palustris
Rubus allegheniensis

WISCONSIN FLOODPLAIN FLORA
 23 July 1950 Tower Hill, Iowa Co
 Soil: sandy silt
 Coll: Dietz

Det:

Rudbeckia laciniata
 Rumex verticillatus
 Sambucus canadensis
 Sanguinaria canadensis
 Sanicula gregaria
 Sanicula marilandica
 Scutellaria lateriflora
 Senecio aureus
 Silphium perfoliatum
 Sium suave
 Smilacina racemosa
 Smilacina stellata

Smilax ecirrhata
~~✓~~ Smilax herbacea
~~✓~~ Smilax hispida
 Solidago gigantea
 Solidago ulmifolia
~~✓~~ Stachys palustris
 Staphylea trifolia
~~✓~~ Steironema ciliata
 Stellaria longifolia
 Teucrium canadense
~~✓~~ Thalictrum dasycarpum
~~✓~~ Thalictrum dioicum

Trillium flexipes
 Trillium grandiflorum
 Trillium recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
~~✓~~ Veronicastrum virginianum
 Viburnum lentago
 Viola cucullata
 Viola pubescens
 Vitis riparia
 Zanthoxylum americanum

Additional species:

Teucrium
D. stricta
E. hyemale
~~*Ph. fraxinifolia*~~
Erigeron sp
Salix tincturaria
Rubus sp (High Bush)
Thistle sp
Lactuca (?) sp (or *Sonchus*)
Convolvulus sp