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Site 1037: Washington County, Township 11N, Range 20E, Section 29. 1948-05

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

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Stand No: 137 Name: _____
 County: Washington-Trenton T: 11N R: 20E Sec: 29 Locality: West Bend.
 Date: May-1948 Observers: Bot 200 - Figures by Cotton
 Size of Stand: _____ Size of Area Sampled: 13 pts, plus land
 Forest Type: Maple Beech 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 _____

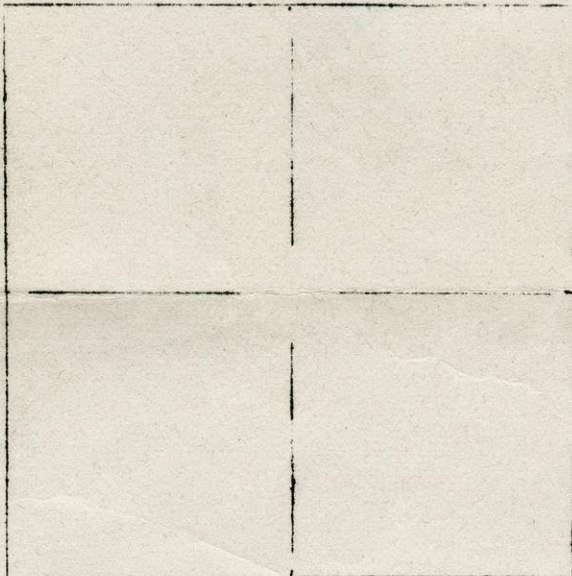
A₂ _____

B _____

Parent Material:

Remarks:

Map



Section 29, Town of Trenton. Washington County.

Species	Frequency	Density per Acre	Dominance sq. ft. per acre	Percent density	Percent dominance	DFD Index
Beech	76.92	185.43	95.05	61.54	50.58	189.04
Basswood	15.38	23.17	15.27	7.69	8.13	31.20
Sugar maple	15.38	23.17	61.08	7.69	32.51	55.58
Ironwood	23.08	34.77	2.55 ^{4.79}	11.54	2.55	37.17
American elm	7.69	11.60	6.18	3.85	3.29	14.83
Ash	7.69	11.60	2.44	3.85	1.30	12.84
Slippery elm	7.69	11.60	3.10	3.85	1.65	13.19
Totals		<u>301.34</u>	<u>187.91</u>			

Average distance between trees. 12.92 ft.

353.85?
based on
Aug - not ex.

Section 29, Town of Trenton. Washington County.

Species	Frequency	Density per Acre	Dominance sq. ft. per acre	Percent density	Percent dominance	DFD Index
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Basswood	15.38	23.17	15.27	7.69	8.13	31.20
Sugar maple	15.38	23.17	61.08	7.69	32.51	55.58
Ironwood	23.08	34.77	2.55 ^{4.79}	11.54	2.55	37.17
American elm	7.69	11.60	6.18	3.85	3.29	14.83
Ash	7.69	11.60	2.44	3.85	1.30	12.84
Slippery elm	7.69	11.60	3.10	3.85	1.65	18.19
Totals		<u>301.84</u>	<u>187.91</u>			

Average distance between trees. 12.92 ft.

Sect 29 Town of Trenton
 Washington County No 37

Basswood 36 ✓
 Beech 32 ✓ } 10' 8"

Sugar Maple 96 ✓
 Ash sp 19.5 } 9' 6"

Beech 23 ✓
 Beech 26 ✓ } 10' 7"

Beech 13 ✓ } 7' 11"
 Beech 53 ✓

Ironwood 13 ✓ } 7' 11"
 Sugar Maple 18 ✓

Beech 15 ✓ } 18' 4"
 Ironwood 17 ✓

Basswood 33 ✓
 American Elm 30.5 ✓ } 7' 6"

Beech 23 ✓
 Shippery Elm 22 } 18' 8"

Beech 32 ✓ } 15' 5"
 " 20 ✓

Ironwood 17 ✓ } 20' 7"
 Beech 25 ✓

Beech 38 ✓ } 17' 6"
 " 38 ✓

Beech 23 ✓ } 15' 7"
 " 48 ✓

Beech 28 ✓
 Beech 18 ✓ } 8

Trenton

Beech.	$\frac{1180.94}{16}$	= 73.81	sq" / Tree
Basswood	$\frac{199.79}{2}$	= 94.89	
S Maple	$\frac{759.19}{2}$	= 379.59	
Ironwood	$\frac{59.45}{3}$	= 19.82	
Am. Elm	$\frac{76.74}{1}$	= 76.74	
Ash	$\frac{30.26}{1}$	= 30.26	
Sl Elm	$\frac{39.51}{1}$	= 39.51	
TOT	$\frac{2334.79}{1}$	= 89.80	sq" / Tree

Frequency

Beech = 10	= 76.92%
Basswood = 2	= 15.39%
S maple = 2	= 15.39%
Ironwood = 3	= 23.09%
Am Elm = 1	= 7.69%
Ash = 1	= 7.69%
Sl elm = 1	= 7.69%

$$\text{distance} = \frac{167.9}{13} = 12.92 \text{ ft-aw dist / Tree}$$

$$\frac{1}{2} = 6.46$$

$$\text{Square} = 41.73$$

$$\times 3.4604 = 144.57$$

$$= 301.31 \text{ Tree / Acre}$$

Trenton

Density

90

Tree/acre

Beech $\frac{16}{26} =$	61.54	185.43
Basswood $\frac{3}{26} =$	7.69	23.17
S Maple =	7.69	23.17
Ironwood =	11.54	34.77
A m Elm =	3.85	11.60
Ash =	3.85	11.60
Sl Elm =	3.85	11.60
	<u>100.01</u>	<u>301.34</u>

400
20
400

Dominance

	<u>90 in</u>	<u>90 ft</u>	<u>90</u>
Beech	13686.59	95.05	50.58
Basswood	2199.60	15.27	8.13
S Maple	8795.10	61.08	32.51
Ironwood	689.14	4.79	2.55
A m Elm	890.18	6.18	3.29
Ash	351.02	2.44	1.30
Sl Elm	446.72	3.10	1.65
	<u>27057.35</u>	<u>187.91</u>	<u>100.01</u>
	197.90		

Presence

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Distance:

Actaea sp.	Shrubs & Herbs	Polygonatum commut.
Adiantum pedat.	Eupatorium purpur.	Polygonatum pubesc.
Asarum canad.	Eupatorium rugosum	Polygonum virgin.
Asplenium platyneuron	Festuca obtusa	Potentilla simpl.
Allium tricocc.	Fragaria virgin.	Prenanthes alba
Amphicarpa brac.	Galium aparine	Pteridium aquil.
Anemone quinque.	G. circaezans	Pyrola elliptica
A. virginiana	G. concinnum	Ranunculus abort.
Anemonella thal.	G. lanceolatum	R. recurvatus
Antennaria sp.	G. triflorum	R. septentrion.
Aplectrum hiem.	Geranium macul.	Rhus radicans
Apocynum andros.	Geum canadense	Ribes americanum
Aquilegia canad.	Goodyera pubesc.	R. cynosbati
Aralia nudicaul.	Habenaria bract.	R. missouriense
A. racemosa	Hamamelis virg.	Rosa sp.
Arenaria later.	Helianthus strum.	Rubus alleghen.
Arisaema atror.	Hepatica acutil.	R. occidentalis
Asarum canad.	Heuchera richard.	R. strigosus
Aster macrophyll.	Hydrastis canad.	Sambucus canad.
A. sagittifolius	Hydrophyllum virg.	Sanguinaria can.
A. shortii	Hystrix patula	Sanicula gregaria
Athyrium angust.	Impatiens biflora	S. marilandica
Aureolaria grandif.	I. pallida	Smilacina racemosa
Botrychium vir.	Isopyrum bitern.	S. stellata
Brachyelytrum	Lactuca spicata	Smilax ecirrhata
Campanula amer.	Lanortea canad.	S. herbacea
Carex albursina	Lappula virgin.	S. hispida
C. pennsylvan.	Lathyrus ochrol.	Solidago altissima
Caulophyllum thal.	Lonicera prolif.	S. latifolia
Celastrus scan.	Lysimachia quadr.	S. ulnifolia
Circaea latif.	Maianthemum can.	Thalictrum dioicum
Claytonia virg.	Menispermum can.	Trillium cernuum
Cornus altern.	Mitella diphylla	T. flexipes
C. femina	Monarda fistulosa	T. grandiflorum
C. rugosa	Orchis spectab.	T. recurvatum
Corylus americana	Oryzopsis racem.	Triosteum perfoliatum
Cryptotaenia canad.	Osmorhiza clayton.	Uvularia grandiflora
Cypripedium pubesc.	O. longistylis	Veronicastrum virg.
Cystopteris frag.	Osmunda clayton.	Viburnum acerifolium
Dentaria laciniata	Panax quinquef.	V. affine
Desmodium acumin.	Panicum latifolium	Viola cucullata
D. nudiflorum	Parietaria pennsylv.	V. pubescens
Dicentra cucullaria	Parthenocissus vit.	Vitis aestivalis
Dodecatheon meadia	Phlox divaricata	V. riparia
Dryopteris spinulosa	Phryma leptostachya	Zanthoxylum americ.
Erigeron pulchellus	Pedophyllum pelt.	Zizia aurea
Erythronium albidum	Polemonium reptans	

Agastache scrophul.	Erigeron philadel.	Pilea pumila
Allium canadense	Erythronium americ.	Polymnia canad.
Amorpha canesc.	Evonymus atropur.	Polypodium vulgare
Anaphalis marg.	Floerkea prosperp.	Prunella vulgaris
Anemone cylindrica	Fragaria vesca	Pteretis nodulosa
Arabis canadensis	Galium boreale	Pyrus coronaria
A. laevigata	Gaultheria procumb.	P. ioensis
A. lyrata	Gaylussacia baccata	Ranunculus fascicul.
A. perstellata	Gentiana quinquef.	R. rhomboideus
Aralia hispida	Geum virginianum	Rhus glabra
Arisaema dracont.	Hedeoma hispida	R. typhina
Asclepias ovalif.	Hepatica americana	Rubus hispidus
A. phytolaccoides	Heracleum lanatum	R. pubescens
Aster azureus	Hieracium canad.	Rudbeckia laciniata
A. paniculatus	H. scabrum	Salix sp.
A. prenanthoides	Hydrophyllum append.	Sambucus pubens
Athyrium thelypter.	Hypoxis hirsuta	Saxifraga pennsylv.
Besseyia bullii	Ilex verticillata	Scrophularia lan.
Boehmeria cylindr.	Juncus tenuis	S. marilandica
Botrychium multif.	Juniperus communis	Senecio balsamitae
Bromus pургans	J. virginiana	Silene stellata
Camptosorus rhizop.	Krigia biflora	Solanum nigrum
Carex convoluta	Lathyrus venosus	Solidago speciosa
Ceanothus americ.	Lilium philadel.	Staphylea trifolia
Chimaphila umbell.	Liparis liliifolia	Steironema ciliatum
Cirsium altissim.	Lobelia cardinalis	S. lanceolatum
Clematis virgin.	Lonicera dioica	Streptopus roseus
Clintonia boreal.	L. hirsuta	Symplocarpus foet.
Comandra umbellata	Luzula acuminata	Taenidia integerr.
Conopholis americ.	L. Multiflora	Taxus canadensis
Corallorrhiza mac.	Milium effusum	Thalictrum dasycarp.
Corydalis semperv.	Mitchella repens	Thaspium aureum
Cynoglossum offic.	Monotropa uniflora	Tradescantia ohio.
Cystopteris bulbif.	Onoclea sensibilis	Uvularia sessilif.
Desmodium bracteos.	Cryzopsis aserif.	Vaccinium canad.
D. canadense	Osmunda cinnanomea	Veronica serpyllif.
Dicentra canad.	Oxalis violacea	Viburnum lentago
Diervilla lonicera	Panax trifolium	V. trilobum
Dioscorea villosa	Paronychia canad.	Vicia americana
Dirca palustris	Pedicularis canad.	Viola conspersa
Elymus villosus	Physocarpus opul.	V. incognita
Epifagus virgin.	Phytolacca decand.	

Additional Species: