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Site 1191: Brownsville, Minnesota. 1952-07-31

[s.l.]: [s.n.], 1952-07-31

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STAND RECORD

FORESTS

Stand No. 1191

Name: Brownsville

County:

Date: July 31, 1952

Size of Stand: 5 acres

Forest Type: prairie oak open

Topography: noted in data

Condition of Stand:

Minnesota T:

Locality:

R:

Sec:

Observers: Anderson, Bray, Ware

Size of Area Sampled: 5 acres

Soil Type: silt loam

Slope:

Directions SW → SE

43° 41' 56"
91° 16' 27"

alt 1111

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									

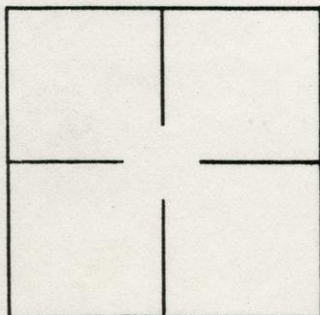
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/4 - 1/2 in	grass leaves
A ₁	to 2 1/2 in	black silt loam
A ₂		
B	parent rock lower	Magnesian Limestone

Parent Material:

Map:



BX 22222

Tree	No. : Pts.	No. : Tr.	No. : Dom.	No. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	Seed : Seed	F. % : Tr.	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. :	C. I. :		
Acerrubrum																
A. saccharum																
Carya cord.																
C. ovata	6	7	380	4	7	12.5	11.7	2	18.1	17.5	8.2	43.8		109.5		
Celtis occiden.																
Fagus grand.																
Fraxinus amer.																
F. lanceolata																
F. pennsylvani																
Juglans cinere																
J. nigra																
Ostrya virgin.																
Populus grand.																
P. tremuloides	1	1	45	4	11	12.5	18.3	3	3.0	2.5	1.0	6.5				
Prunus serotin				1	2	3.1	3.3									
Quercus alba																
Q. ellipsoidal																
Q. macrocarpa	13	17	2518	10	19	31.2	31.6		39.3	42.5	54.3	136.1		340.2		
Q. rubra	1	1	45	1	1	3.1	1.7		3.0	2.5	1.0	6.5		22.7		
Q. velutina	9	11	1230	6	10	18.7	16.6		27.3	27.5	26.5	81.3		162.6		
Tilia american				4	8	11.5	13.3									
Ulmus american																
U. rubra	2	2	330						6.1	5.0	7.1	18.2				
Betula papyrif	1	1	89	2	2	6.2	3.3		3.0	2.5	1.9	7.4		11.0		
Juniperus virgin								1								

Ave. Dist.
Btw'n Trees

23.4

Ave. BA
(Total
PA + 80)

115.9

No. Trees
Per acre

45.9

Dom. per
acre

5,320

33 40 4637 32 60

646.0 432.8

275.1 2.34 34

1112.3 1.2 34

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 119

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.		1	1			15				
Carpinus car										
Carya cord										
C. ovata				1				130	112	2
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul						4454	1	2		
Prunus serot							2			
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	65	2	190 22	326	135		65		22 100	3560
Q. rubra										
Q. velutina	30	2	370 20	3	100	110	70 70	70 60	11	
Tilia amer										
Ulmus amer										
Ulmus fulva										
Juniper										
Distance	37	51	14	20	14	22	22	19	12	21

Q 10

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1191

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata	85	✓			30	2	2	65 18		40
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	480	105 160	45	21 440		170	1		412	1
Q. rubra									45	1
Q. velutina					35	25 20	160 90	1		
Tilia amer				1			1		4	2
Ulmus amer			150							180
Ulmus fulva	✓									
Distance	39	25	36	26	19	21	14	30	20	28

500
50
150
150

Data Form No. 35

Plant Ecology Research

Univ. of Wisconsin

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1191
Quadrat No.

Populus tremul 26789

Campanula rotund 35

SW
from
15°

Achillea millefolium
Ambrosia artemisifolia
Ambrosia psilostachya
Amorpha canescens 1234567
Andropogon gerardi 123567
Andropogon scoparius 1234567
Anemone canadensis
Anemone cylindrica
Anemone patens
Antennaria sp. 3
Apocynum androsaemifolium
Apocynum cannabinum
Arenaria stricta
Artemisia caudata
Asclepias amplexicaulis
Asclepias syriaca
Asclepias tuberosa 6
Asclepias verticillata
Asclepias viridiflora
Aster azureus
Aster ericoides 1
Aster laevis
Aster novae-angliae
Aster oblongifolius 234567
Aster ptarmicoides
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Bouteloua curtipendula 1234567
Bouteloua hirsuta 3
Cacalia tuberosa
Calamagrostis canadensis
Ceanothus americanus 10
Cicuta maculata
Cirsium discolor
Comandra richardsoniana
Convolvulus sepium
Coreopsis palmata 12345678
Cornus femina 8910
Corylus americana 910
Desmodium canadense
Desmodium illinoense
Dodecatheon meadia
Elymus canadensis
Equisetum arvense
Equisetum kansanum
Erigeron strigosus
Eryngium yuccifolium
Euphorbia corollata 467

Fragaria virginiana
Galium boreale
Gentiana andrewsii
Gentiana puberula
Geranium maculatum
Geum triflorum
Hedeoma hispida
Helianthemum sp.
Helianthus grosseserratus
Helianthus laetiflorus
Helianthus occidentalis 1
Helianthus strumosus
Heliopsis helianthoides 910
Heuchera richardsonii
Hieracium longipilum
Hypoxis hirsuta
Iris virginica
Koeleria cristata
Krigia biflora
Kuhnia eupatorioides 5
Lactuca canadensis
Lactuca ludoviciana
Lathyrus palustris
Lathyrus venosus
Lespedeza capitata
Liatris aspera 2457
Liatris cylindracea
Liatris pycnostachya
Lilium michiganense
Lilium philadelphicum
Linum sulcatum
Lithospermum canescens
Lithospermum croceum
Lithospermum incisum
Lobelia spicata
Monarda fistulosa
Muhlenbergia cuspidata 45
Muhlenbergia racemosa
Oenothera biennis
Oxalis violacea
Oxypolis rigidior
Panicum leibergii 8
Panicum oligosanthos
Panicum perlongum 124
Panicum virgatum
Petalostemum candidum 23
Petalostemum purpureum 1234567
Phlox pilosa
Physalis heterophylla

Physalis subglabrata
Physalis virginiana
Polygala senega
Polytaenia nuttallii
Potentilla arguta 8
Potentilla canadensis
Prenanthes racemosa
Psoralea esculenta
Pycnanthemum virginianum
Pyrus melanocarpa
Quercus macrocarpa
Ratibida pinnata 1
Rhus glabra
Rhus radicans
Rosa sp. 8910
Rudbeckia hirta
Salix humilis
Saxifraga pensylvanica
Scutellaria parvula
Silphium integrifolium
Silphium laciniatum
Silphium terebinthinaceum
Sisyrinchium campestre 124
Smilacina stellata
Solidago altissima
Solidago gigantea
Solidago graminifolia
Solidago juncea
Solidago missouriensis
Solidago nemoralis 14
Solidago rigida 234567
Solidago speciosa
Sorghastrum nutans
Spartina pectinata
Spiraea alba
Sporobolus heterolepis
Stipa spartea 4
Tephrosia virginiana
Thalictrum dasycarpum
Tradescantia ohioensis
Verbena stricta
Veronicastrum virginicum
Vicia americana
Viola pedata 126
Viola pedatifida
Vitis vulpina
Zizia aptera
Zizia aurea

Additional species:

Amphicarpa 510
Sedge 234
Rhus 789
Bum oak 8
Salix concinna 10

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1191
Quadrat No.*Smilax herb* 13°*Celastrus* 1316°*Achillea millefolium**Fragaria virginiana* 1215°*Ambrosia artemisifolia* 16°*Galium boreale* 111516°*Ambrosia psilostachya**Gentiana andrewsii**Amorpha canescens**Gentiana puberula**Andropogon gerardi**Geranium maculatum**Andropogon scoparius**Geum triflorum**Anemone canadensis**Hedeoma hispida**Anemone cylindrica**Helianthemum sp.**Anemone patens**Helianthus grosseserratus**Antennaria sp.**Helianthus laetiflorus**Apocynum androsaemifolium**Helianthus occidentalis**Apocynum cannabinum**Helianthus strumosus**Arenaria stricta**Heliopsis helianthoides* 1112131415°*Artemisia caudata**Heuchera richardsonii**Asclepias amplexicaulis**Hieracium longipilum**Asclepias syriaca**Hypoxis hirsuta**Asclepias tuberosa**Iris virginica**Asclepias verticillata**Koeleria cristata**Asclepias viridiflora**Krigia biflora**Aster azureus**Kuhnia eupatorioides**Aster ericoides**Lactuca canadensis**Aster laevis**Lactuca ludoviciana**Aster novae-angliae**Lathyrus palustris**Aster oblongifolius**Lathyrus venosus**Aster ptarmicoides**Lespedeza capitata**Aster sericeus**Liatris aspera**Baptisia leucantha**Liatris cylindracea**Baptisia leucophaea**Liatris pycnostachya**Bouteloua curtipendula**Lilium michiganense**Bouteloua hirsuta**Lilium philadelphicum**Cacalia tuberosa**Linum sulcatum**Calamagrostis canadensis**Lithospermum canescens**Ceanothus americanus**Lithospermum croceum**Cicuta maculata**Lithospermum incisum**Cirsium discolor**Lobelia spicata**Comandra richardsiana* 11°*Monarda fistulosa* 1112131417°*Convolvulus sepium**Muhlenbergia cuspidata**Coreopsis palmata**Muhlenbergia racemosa**Cornus femina* 1113141617°*Oenothera biennis**Corylus americana* 111213141516°*Oxalis violacea**Desmodium canadense**Oxypolis rigidior**Desmodium illinoense**Panicum leibergii**Dodecatheon meadia**Panicum oligosanthos**Elymus canadensis**Panicum perlongum**Equisetum arvense**Panicum virgatum**Equisetum kansanum**Petalostemum candidum**Erigeron strigosus**Petalostemum purpureum**Eryngium yuccifolium**Phlox pilosa**Euphorbia corollata**Physalis heterophylla**Rhus glabra* 1213141516°*Rhus glabra* 12131415°

Additional species:

Rhus glabra 13°*Parthenoc 1213°**Samolus gr.* 131516°*Phryma 12131415°**Prenanthe alba* 13°*Rubus cesp.* 1516°*Physalis subglabrata**Physalis virginiana**Polygala senega**Polytaenia nuttallii**Potentilla arguta**Potentilla canadensis**Prenanthes racemosa**Psoralea esculenta**Pycnanthemum virginianum**Pyrus melanocarpa**Quercus macrocarpa**Ratibida pinnata**Rhus glabra* 13°*Rhus radicans* 16°*Rosa sp.* 11°*Rudbeckia hirta**Salix humilis**Saxifraga pensylvanica**Scutellaria parvula**Silphium integrifolium**Silphium laciniatum**Silphium terebinthinaceum**Sisyrinchium campestre**Smilacina stellata* racell°*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* 15°*Zizia aptera**Zizia aurea**Blue grass* 111617°*Lysichiton ciliatus* 14°*Solidago ulmifolia* 1415°*Solidago canadensis* 12°*Phalaris arundinacea* 15°

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1191
Quadrat No.

Achillea millefolium
 Ambrosia artemisifolia 20210
 Ambrosia psilostachya
 Amorpha canescens 1819220
 Andropogon gerardi
 Andropogon scoparius
 Anemone canadensis
 Anemone cylindrica
 Anemone patens
 Antennaria sp.
 Apocynum androsaemifolium 230
 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 1819202122340
 Corylus americana 18192340
 Desmodium canadense
 Desmodium illinoense
 Dodecatheon meadia
 Elymus canadensis
 Equisetum arvense
 Equisetum kansanum
 Erigeron strigosus
 Eryngium yuccifolium
 Euphorbia corollata 1824-

Fragaria virginiana 1819200
 Galium boreale 18192122234
 Gentiana andrewsii
 Gentiana puberula
 Geranium maculatum
 Geum triflorum
 Hedeoma hispida
 Helianthemum sp.
 Helianthus grosseserratus
 Helianthus laetiflorus
 Helianthus occidentalis
 Helianthus strumosus
 Heliopsis helianthoides 1819221
 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 18212223
 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 220
 Rhus glabra 200
 Rhus radicans 18192021223
 Rosa sp. 18210
 Rudbeckia hirta
 Salix humilis
 Saxifraga pensylvanica
 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 190
 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 210
 Zizia aptera
 Zizia aurea

Additional species:

Amphisp. 181920240
 C. 181920212324
 P. 190
 S. 190
 R. 200

Blue grass 19200
 Solidago 23

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1191
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 26°
Cicuta maculata
Cirsium discolor
Comandra richardsiana
Convolvulus sepium
Coreopsis palmata
Cornus femina 26°
Corylus americana 27 28 29°
Desmodium canadense
Desmodium illinoense 27°
Dodecatheon meadia
Elymus canadensis
Equisetum arvense
Equisetum kansanum
Erigeron strigosus
Eryngium yuccifolium
Euphorbia corollata

Fragaria virginiana
Galium boreale 26 27°
Gentiana andrewsii
Gentiana puberula
Geranium maculatum
Geum triflorum
Hedeoma hispida
Helianthemum sp.
Helianthus grosseserratus
Helianthus laetiflorus
Helianthus occidentalis
Helianthus strumosus
Heliopsis helianthoides 26 27°
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 27 28°
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 virginianum
Pyrus melanocarpa
Quercus macrocarpa
Ratibida pinnata
Rhus glabra 26°
Rhus radicans 27 28 29°
Rosa sp. 27°
Rudbeckia hirta
Salix humilis
Saxifraga pensylvanica
Scutellaria parvula
Silphium integrifolium
Silphium laciniatum
Silphium terebinthinaceum
Sisyrinchium campestre
Smilacina stellata 26°
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 27°
Tradescantia ohioensis
Verbena stricta
Veronicastrum virginicum
Vicia americana
Viola pedata
Viola pedatifida
Vitis vulpina 26 28°
Zizia aptera
Zizia aurea

Additional species:

Salix lucida 26°
Desmodium 26 29°
Celastrus 27 28 29°

Phryma 29°

Solidago altissima 26°
 27
 29

Presence or Frequency
(Common species only)

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 —

Additional species:

Presence

Plant Ecology Research

PRAIRIES

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 oligosanthes
Panicum perlongum
Panicum virgatum
Petalostemum candidum
Petalostemum purpureum
Phlox pilosa
Physalis heterophylla

Brownsville

Univ. of Wisconsin

Stand No. 1191
Quadrat No.

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 pensylvanica
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

✓ Solidago ulmifolia
✓ Scrophularia lanceolata
✓ Lonicera prolifera
✓ Thalictrum discicum

11	800	18	26	1191					
	1200	300	40						
	5200	250	60						
	7000	250	100						
		250	100						
12	200	190	27						
	200	300	104						
	2000	180	100						
	2000	200	100						
13	9,000	200	150						
	500	200	28						
	200	20	100						
	200	360	120						
	500	40	100						
14	200	200	100						
	150	120							
	150	21	29						
	150	150	100						
15	1000	120	80						
	300	120	80						
	200	100	80						
	150	22							
	150	250							
	150	200							
	120	200							
	100	150							
		23							
		150							
		150							
		150							
17	5,000	24							
	300	160							
	3,500	150							
	10,000	120							
		100							
		25							
		500							
		50							
		150							
		150							
STATION NO.	1	3	4	5	6	7	8	9	10

POINT RECORD BOOKS

SOUTHERN HARDWOODS

STATION NO.

DATE: FEB. 10, 34

PLANT ECOLOGY RESEARCH

DATA OF DISSECTION

Blomquist

FIELD ON