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27A 1 2 3 4 (left over from
 new that came when
 it was checked)
 Soil A₀ $\frac{1}{8}$ a mat of roots etc.
 A₁ $1\frac{1}{2}$ - 2"

Temp Soil 15.1
 Air 16 15.5

Water perm 50cc 5sec 10sec

Light 7000 - 6600

130	300
3600	75
2200	140
400	1500
200	100

27B
 Soil A₀ $\frac{1}{8}$ C, same as A
 A₁ 2
 Temp Soil 18.5 - 18
 Air 14

Perm 50cc 10sec 30sec

27C all sandy
 Soil A₀ $\frac{1}{4}$ " loam
 A₁ $1\frac{1}{2}$ - 2
 Temp Soil 14.5 - 15
 Air 15

27D Light 6600 - 5000
 150 - 120
 150 120
 300 120
 110 110
 300 250

Water perm 50cc 35sec
 30sec

Slow here cause of lots of humus
 Slow in B cause ground packed

Light 6600

120	200
160	160
120	160
120	220
140	220

POINT RECORD TREES

SOUTHERN HARDWOODS

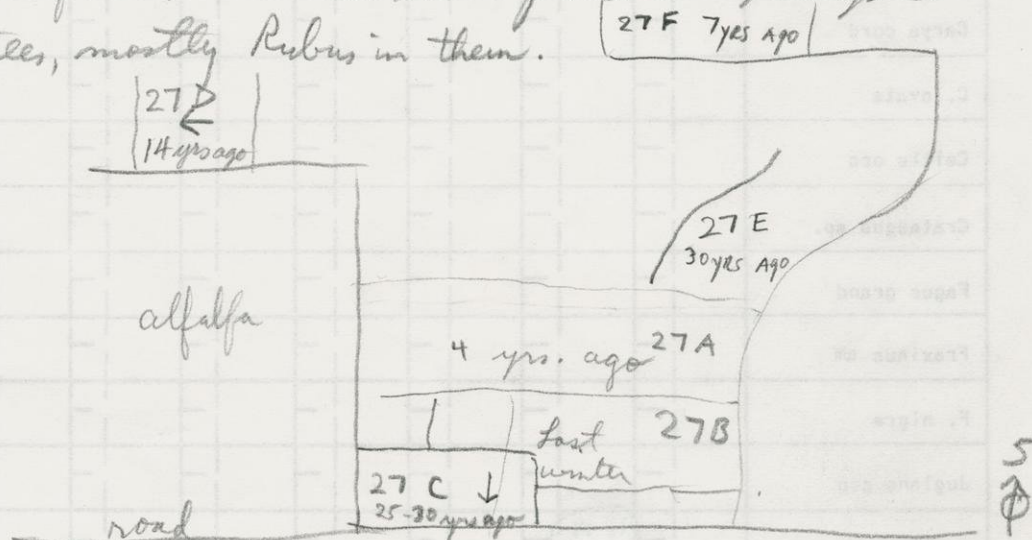
Stand No. 27 A

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra		18 14 + 2								
Ostrya virg										
Populus gran										
P. tremul	3		3	2	1	2	3	4	3	2
Prunus serot	1	2	1	1	3	2	1	2	2	4
Quercus alba	1	2		2						2
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	4 1 3 1	2 4	2 4 4 4 3	3 1 3	1 4 5 3 4	3 1 4 3	1 3 3 3	4 4 5	3 1 2	5 2
Tilia amer										
Ulmus amer										
Ulmus fulva										
Saps other than oak	9 2 8 10	10 15 7 18	6 10 6 6	9 3 5 7	3 6 4 4	3 2 6 5	9 5 7 2	3 4 4 3	3 8 6 9	8 7 12 13
Distance	8 5 7 12	5 7 10 12	5 11 7 13	7 4 8 10	9 13 10 20	13 14 16 9	5 13 7 16	6 7 15 16	6 6 8 10	7 4 8 10

* there 84 + now dying
stump short. (thru)There
are 1-3"
diam

Pop. trem.
 Corylus
 Rubus allegh.
 Rhus rad.
 Aster sag.
 Phryma
 Amphicarp.
 Carex
 Poa
 Lactuca
 Fragaria
 Geranium
 Pteridium
 Rosa
 Geum
 Parietaria.
 Vitis
 Cornus
 Prunus

This was clear cut 4 years ago. Mostly *P. velut.*
 They were 2nd grth I think, so this is 3rd grth.
 Counted only those > 1". Some nearly 4" diam. but
 not quite. Several little patches or openings in
 trees, mostly *Rubus* in them.



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 27B

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot			1/1						2/2	
Quercus alba									0/1	
Q. ellipsoid										
Q. macrocarpa										
Q. rubra 30 yrs old	10 50		35 35	65 65	70		45 55		40	
Q. velutina	2/4	3/4	2/3	2/4	2/4	4/4	3/4	3/4	1/1	3/4
Tilia amer										
Ulmus amer										
Ulmus fulva										
Distance	13 9 16 16	10 18 20 19	7 14 7 22	10 13 14 16	6 7 12 15	5 10 16 19	9 14 12 17	3 8 6 24	5 12 7 19	18 16 16 19

35-70"
Q. velut. =
30 yrs old

of trees
standing

Stand No.

SOUTHERN HARDWOOD

POINT RECORD TREES

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papyr.										
Carpinus cor.										
Carya cord.										
C. ovata										
Celtis occ.										
Cornus sp.										
Fagus grand.										
Fraxinus sp.										
I. nigra										
Juglans cin.										
L. nigra										
Ostrya virgin.										
Populus gran.										
P. tremul.										
Prunus serot.										
Quercus alba										
Q. ellipsoide.										
Q. macrocarpa										
Rhus glabra										
S. velutina										
Tilia amara										
Ulmus americana										
Prunus serot.	31					6				
Q. velut.	31					11				
						7 1/2				
						diam "				

Q. velut. 32 yrs. 11" diam.

32 7 1/2"

Q. alba 32 5"

35 6"

Q. velut. 28 yrs. 31

6 11 7 1/2 diam "

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 27C

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran						16	1			
P. tremul										
Prunus serot	30 22 16	13 16 35	3 14	3 28	3	14 16	1	19	16	14
Quercus alba					1	1	1		17	2
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	27	23	30 40 45	35 40 40 27	19 22 30 45 20	10 40 50	1 55 70 65 35	40 45	30 35 27	45 18 50
Tilia amer										
Ulmus amer										
Ulmus fulva										
	22 22	20 20 18	6 10 11	8 11 17 14	3 13 6	3 20 16 22	9 21	21 15 17	14	16 13 17 27
Distance	3 9 7 15	6 7 11 8	6 12 13 16	10 15 12 16	3 6 9 8	7 10 7 22	2 20 14 21	2 11 4 8	13 12 11 17	6 16 14 10

Stand No. 27D

There about
to die

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 27 E

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer rubrum</i>										
<i>A. saccharum</i>										
<i>Betula papy.</i>										
<i>Carpinus car</i>										
<i>Carya cord</i>										
<i>C. ovata</i>										
<i>Celtis occ</i>										
<i>Crataegus sp.</i>										
<i>Fagus grand</i>										
<i>Fraxinus am</i>										
<i>F. nigra</i>										
<i>Juglans cin.</i>										
<i>J. nigra</i>										
<i>Ostrya virg</i>										
<i>Populus gran</i>										
<i>P. tremul</i>										
<i>Prunus serot</i>	1	2 26	1 35				1	2	1 50	1 20
<i>Quercus alba</i>	3	1		28	1 35 2 3		1	1		
<i>Q. ellipsoid</i>										
<i>Q. macrocarpa</i>										
<i>Q. rubra</i>		22 29	15 28		26 29 1	30 35		40		20 40
<i>Q. velutina</i>	35 35 35 22	30 23 35 14 19	1 14 40 35 35 45 12	2 27 21 29 14	2 22 15 17 35 20	1 25 17 40 45	1 45 35 35 30 14	1 40 17 25 35	2 40 30 40	2 25 27 27 27 40
<i>Tilia amer</i>			16+2		75 45		25 13+1	50		
<i>Ulmus amer</i>										
<i>Ulmus fulva</i>										
	20 6 10 11	12 6 4 18	33 14 10 25	30 14 20 27	22 19 22 32	14 21 38 24	15 7 22 21	12 37 16 27	7 33 8 42	11 35 32 40
Distance	3 5 11 21	11 7 7 12	7 18 15 17	7 8 11 7	8 11 11 20	4 7 10 15	11 5 13 19	4 23 7 20	11 8 16 12	13 13 9 11

Q. alba
23+2
40+1
15+2
45
35+1
21

Many of the *Q. alba* saps are stum, grn. They
just didn't grow as big or fast as blk.
Many of the blk saps are stum also

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 27 F

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata				1						
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra										
Ostrya virg										
Populus gran		1				1				
P. tremul										
Prunus serot	2	1	1		2	1	3	1	2	2 8
Quercus alba			4		1	1	1	1 2	1	3
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	5 6 6 2	2	3	(13+5) 4	8	1 2 5	1 6 3		1 7 5 5 2	(2) 2 5
Tilia amer										
Ulmus amer		3	2	7	2					
Ulmus fulva										
	8 10				15 10 8 8	5 7 5 9		8 6 7 8	8 19 7	
Distance	12 10 14 14	11 14 22 20	15 14 10 12	9 5 12 8	18 10 12 29	15 5 7 12	11 14 12 15	9 9 11 13	15 14 16 11	14 21 17 14

Many of these Q. alba are from acorns, not stumps,
just not as many Q. velutina.

* that didn't grow in 7 yrs.

Not used

1525-27 includes bareas cc at diff times past - Map on back of next page.

1525

Data Form No. 40

Plant Ecology Research

Univ. of Wisconsin

3N9E SW15

Stand No. 27A

Quadrat No.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsossepala
Allium tricoccum
Amphicarpa braceata 6810
Anemone quinquefolia 1,9
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora 4
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 235
A. shortii
A. sp. 567910
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 34567810
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 24
Claytonia virginiana
Cornus alternifolia
C. femina 46910
C. rugosa
Corylus americana 12345678910
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum 4
Festuca obtusa 2
Fragaria virginiana 358
Galium aparine 6
G. circaeazans
G. concinnum 259
G. lanceolatum
G. triflorum
Geranium maculatum 349
Gerardia grandiflora
Geum canadense 23
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 67
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 2567910
Laportea canadensis
Lathyrus ochroleucus 16
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 2
Parthenocissus inserta 456
Phlox divaricata
Phryma leptostachya 2479
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 8
Prenanthes alba 2910
Pteridium aquilinum 1567
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 468
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 134568
R. occidentalis 2
R. strigosus 245
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 12410
S. stellata
Smilax ecirrhata 4
S. herbacea 25
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 310
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Cochlearia 5

Cirsium alt. 710

~~Geranium A. 19~~

Prunus sp. 2

Prunus serot 67

Botrychium multif 4

~~B. 2~~

Poa comp. 345678

Pop. trem. 7

~~C. Bot. 4~~

Taraxacum 5

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27A
Quadrat No.

Part 2

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 2456
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium 3
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora 7
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 1345
A. shortii 410
A. simplicifolius 7
Athyrum filix-femina
Botrychium virginianum 5
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 12345
Caulophyllum thalictroides
Celastrus scandens
✓ Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina 2510
C. rugosa
Corylus americana 2356789
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 1358
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 14789
Gerardia grandiflora
Geum canadense 125
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 5
Hamamelis virginiana
Helianthus strumosus 129
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 357
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
✓ Parthenocissus inserta
Phlox divaricata
Phryma leptostachya 126
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba 7
Pteridium aquilinum 489
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 134
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 123478
R. occidentalis
R. strigosus 510
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 37810
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 23
V. pubescens
Vitis aestivalis
V. riparia 710
Xanthoxylum americ.
Zizia aurea

Additional species:

P. serot 27
Poa comp 34678

Querc. velut 4
Pop gran 68

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27B
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 5678
A. shortii 8
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 23578910
Caulophyllum thalictroides
Celastrus scandens 9
Circaea quadrifolia 7
Claytonia virginiana
Cornus alternifolia
C. femina 239
C. rugosa
Corylus americana 4
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 67
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense 7
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 5
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 6
Phlox divaricata
Phryma leptostachya 8
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba 3
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati 3
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 3457
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Poa comp. 1345910
Convolvulus 3
Pennis set 6710

Lonicera

Certain few hang on +
are the last to die (B)
others increase in the
life (A) but roots etc of
B still there + they
come back again

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27C
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 610
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora 18
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 1256910
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 23456710
Claytonia virginiana
Cornus alternifolia
C. femina 7
C. rugosa
Corylus americana 10
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum 8
Festuca obtusa
Fragaria virginiana 7
Galium aparine 34
G. circaezans
G. concinnum 57890
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense 28
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 4
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 2345678910
Phlox divaricata
Phryma leptostachya 1269
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 4510
Prenanthes alba
Pteridium aquilinum 6
Pyrola elliptica
Ranunculus abortivus 16
R. recurvatus
R. septentrionalis
Rhus radicans 310
Ribes americanum
R. cynosbati 8
R. missouriense
Rosa sp.
Rubus allegheniensis 35678910
R. occidentalis 5
R. strigosus 3610
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea 4, 9
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia 2469
Xanthoxylum americ.
Zizia aurea

Additional species:

Ylms fulva 5
Iva comp 1678910
Amelanchier 18
Acer neg 810

Convolvulus 1
Tanacetum 2
Urtica dioica 2
Cirsium alt. 4

~~A. latifolia 24~~
~~B. racemosa 49~~

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27D
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 345678910
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium 5
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 568910
A. shortii 45
A. simplex 1
Athyrum filix-femina
Botrychium virginianum 8
Brachyelytrum erectum
Campanula americana
Carex albursina 4
C. pensylvanica 123478910
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 4
Claytonia virginiana
Cornus alternifolia
C. femina 2568
C. rugosa
Corylus americana 7
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 23459
Galium aparine
G. circaezans
G. concinnum 9
G. lanceolatum 6810
G. triflorum
Geranium maculatum 345710
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 1256710
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 910
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 348
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 169
Prenanthes alba 7
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 3
Ribes americanum 6
R. cynosbati
R. missouriense
Rosa sp. 9
Rubus allegheniensis 134578910
R. occidentalis 24
R. strigosus 123468
Sambucus canadensis 3
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 2
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 56710
V. pubescens
Vitis aestivalis
V. riparia 245
Xanthoxylum americ.
Zizia aurea

Additional species:

Blephilia hirsuta 210
Amelanchier 3
Anemone artemis 310
Convulv. 7
Cirsium alt 10

Achillea
millefolium 10
2244
H. 21

Poa comp 1679
Pennisetum 37
Pop. gran 7

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27 E
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 6 9 10
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp. 10
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 5 6 9
A. shortii 5
A. simplex
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 2 6 9 10
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina 2 3 5 6 7
C. rugosa
Corylus americana 1 2 3 4 6 7 8 9
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 5
Galium aparine 9 10
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum 6
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 2 5 7 10
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus 8
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 6
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 4 5 6 9 10
Prenanthes alba 9
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis 5 6 8 10
R. occidentalis
R. strigosus 2
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 4
S. stellata 4
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 5
V. pubescens
Vitis aestivalis
V. riparia 10
Xanthoxylum americ.
Zizia aurea

Additional species:

Compositus 1
Poa comp 1 2 3 4 5 6 7 10
Cirsium 2
Quercus velut 4 10
Prun. serot 4 5 6 7 8 9 10

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 27F
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 2345789
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium 8
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 10
A. shortii
Athyrium filix-femina 3789
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 123578910
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata 510
Claytonia virginiana
Cornus alternifolia
C. femina 256910
C. rugosa
Corylus americana 1234567910
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 9
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana 128
Galium aparine
G. circaezans
G. concinnum 24
G. lanceolatum
G. triflorum
Geranium maculatum 346
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 2345678
Hepatica acutiloba 910
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus 8
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta 9
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex 2378
Prenanthes alba
Pteridium aquilinum 10
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 169
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp. 46
Rubus allegheniensis 1345689
R. occidentalis 4
R. strigosus 235810
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa 9
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima 37
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata 12478910
V. pubescens
Vitis aestivalis
V. riparia 18
Xanthoxylum americ.
Zizia aurea

Additional species:

Amelanchier 7

O. virginica 8
P. alba 10
Pop. grand. seedling 8

A. ~~longistylis~~
Achillea
millefolium 8