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## Site 1801: Green County, Township 4N, Range 7E, Section 35.

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STAND RECORD

FORESTS

Stand No. 1802  
1801

Name:  
County: Green  
Date:  
Size of Stand  
Forest Type:  
Topography:

Locality:  
T: 4N R: 7E Sec: 35

Observers:

Size of Area Sampled:  
Soil Type:  
Slope: Directions

Condition of Stand:

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 <sub>0</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>1</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>2</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____	_____	_____	_____	_____

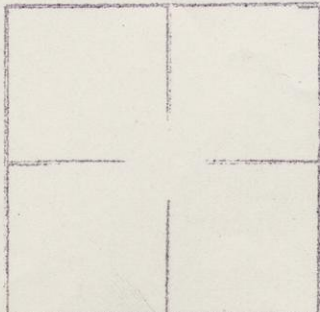
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A <sub>0</sub>	-----
A <sub>1</sub>	-----
A <sub>2</sub>	-----
B	-----

Parent Material:

Map:





## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. <sup>1201</sup> 1502

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord			2	2	4	3	3	1	1	1
C. ovata	40									
Celtis occ										
Crataegus sp.	2					1	1			
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra	30 20		40 50 50	120	940	340	18 340	40 65	15	1 75
Ostrya virg										
Populus gran	1									
P. tremul										
Prunus serot										
Quercus alba							280	100		
Q. ellipsoid										
Q. macrocarpa				360					1 45 18	2 30
Q. rubra					350	350 290				
Q. velutina							200	270		
Tilia amer										
Ulmus amer										
Ulmus fulva	130	30 40 120 80	3 60	1 190 140	1 180 210	210			80	60 25
	17,29 10.	21,9 35.	18,25 30	35,10 28,15	8,3 19,30	2,15 12,20	25,34 35,40	20,40	20,10 15,30	30
Distance	10,35 12,10	5,5 18,18	9,8 13,18	17,30 19,35	19,22 25,14	14,19 25,23	12,22 14,35	6,20 20,20	7,8 19,22	13,11 15,19



1801

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1522

STATION NO.	1	2	3	4	5	6	7	8	9	10					
Acer rubrum															
A. saccharum															
Betula papy.															
Carpinus car															
Carya cord				3	2	2	4	1		1					
C. ovata															
Celtis occ															
Crataegus sp.									1	1					
Fagus grand															
Fraxinus am															
F. nigra															
Juglans cin.															
J. nigra	25 180 95	1 65 75 160	1 30 120 75	2	200	85	1	25 30 20	40 160	170	1				
Ostrya virg															
Populus gran															
P. tremul															
Prunus serot															
Quercus alba									120 460	290 130 180					
Q. ellipsoid															
Q. macrocarpa	40	1 45		85 140			40	130	25						
Q. rubra				180											
Q. velutina															
Tilia amer															
Ulmus amer															
Ulmus fulva			1	85	2	470 180 60	1	300	1	120	210 290	1	55	2	80
	39,35	25,15	39,25 40,40	8,35 25	59,40 40,32	3,15 50	45,3	12,20	19,5 30	30,20 28	32 35,8				
Distance	14,14 23,75	2,20 14,13	8,10 25,11	8,22 13,18	5,8 30,25	3,8 27,15	17,14 8,19	13,27 27,10	5,18 12,8	16,15 4,20					







# Grazing Indicator Species

Stand No. 1801  
Index No.

	D	GV	-10		D	GV
10						
<i>Caulophyllum thalictroides</i>				<i>Ambrosia artemis.</i>		
<i>Cornus femina</i>				<i>Arctium minus</i>	.4	4
<i>Cornus rugosa</i>				<i>Bidens sp.</i>		
<i>Impatiens pallida</i>				<i>Cirsium arvense</i>	.2	2
<i>Polygonatum caniculatum</i>				<i>Oxalis erecta</i>		
<i>Vitis aestivalis</i>				<i>Pilea pumila</i>		
<i>Vitis riparia</i>				<i>Plantago sp.</i>		
<i>Prunus serotina</i>				<i>Poa. pratense</i>	1.8	18
9				<i>Prenanthes alba</i>	.6	6
<i>Uvularia grandiflora</i>				<i>Taraxacum off.</i>	2.5	25
<i>Rubus allegheniensis</i>	.2	1.8		-9		
<i>Desmodium glutinosum</i>				<i>Cryptotaenia canadensis</i>		
8				<i>Ranunculus abortivus</i>	1.2	10.8
<i>Osmorhiza claytoni</i>	11.8	94.4		<i>Agriomania grypsosepala</i>	2.2	19.8
7				-8		
<i>Rubus occidentalis</i>				<i>Eupatorium rugosum</i>		
6				<i>Lactuca binnis</i>	2.7	27
<i>Geranium maculatum</i>	.2	1.2		-7		
<i>Celastrum scandens</i>				<i>Amphicarpa bracteata</i>	1.7	11.9
<i>Eupatorium purpureum</i>				<i>Mulenbergia schreberi</i>		
<i>Festuca obtusa</i>				<i>Solidago ulmifolia</i>	.2	1.4
5				-6		
<i>Discorea villosa</i>	.2	1.		<i>Galium triflorum</i>		
<i>Parthenocissus inserta</i>				<i>Viola cucullata</i>	4.0	24
4				<del><i>Parietaria pennsylvanica</i></del>		
<i>Botrychium virginianum</i>	1.7	6.8				

Total 105.2

Total 149.9

Index

$$UG - G = IV$$

$$105.2 - 149.9 = -44.7$$

$$\frac{UG}{G} = \frac{105.2}{149.9} = .70$$

$$\frac{\text{Diff.}}{\text{Total units}} \times 100$$

$$\frac{-44.7}{255.1} = -17\%$$

$$\frac{G}{TV} = -59\%$$



STAND NO. 10a

SPECIES LIST FOR GRAZED STANDS

DATE 1801 1502

Acalypha virginica  
 Adiantum pedatum  
 Agrostis alba  
 Ambrosia artemisiifolia 9  
 Aralia racemosa  
 Aspidium spinulosum  
 Aster sagittifolius 3, 6, 7, 10, 11, 12, 13, 14  
 Bidens discoides  
 Bidens frondosa  
 Brachyelytrum erectum  
 Carex albursina  
 Carex rostrata 1, 6, 7, 9, 10, 11, 15, 16, 17, 18, 19, 20  
 Cardamine pennsylvanica  
 Circaea intermedia 10, 11, 12, 15, 16, 18, 19  
 Circaea latifolia  
 Corylus americana 8, 9, 12, 13, 15  
 Dryopteris spinulosa  
 Epifogus virginiana  
 Epilobium glandulosum  
 Erigeron philadelphicus 15  
 Eupatorium rugosum  
 Fragaria virginiana 2, 3, 11, 16  
 Galium concinnum 10, 11, 14, 16, 17, 19, 20  
 Galium triflorum  
 Gaultheria procumbens  
 Geranium maculatum  
 Geum canadense 2, 16, 17, 19  
 Hackelia virginiana  
 Helianthus trachelifolius  
 Hepatica acutiloba  
 Hieracium aurantiacum  
 Juncus tenuis  
 Laportea canadensis  
 Lobelia inflata  
 Maeanthemum canadense  
 Mitchella repens  
 Monotropa uniflora  
 Nepeta cataria  
 Osmorhiza Claytoni 19  
 Osmorhiza longistylis  
 Osmunda claytoniana  
 Oxalis acetosella  
 Oxalis stricta 17  
 Parietaria pennsylvanica  
 Parthenocissus vitacea  
 Phleum pratense  
 Phytolacca decandra  
 Pilea pumila  
 Plantago sp.  
 Poa <sup>Proserpine</sup> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20  
 Podophyllum peltatum 14, 15, 16, 17, 18, 19  
 Polygonum convolvulus  
 Polygonum hydropiper  
 Polygonum persicaris  
 Potentilla canadensis  
 Potentilla recta

Prunella vulgaris  
 Rubus allegheniensis 3  
 Rubus hispidus  
 Rubus occidentalis  
 Rumex acetosella  
 Rumex obtusifolius  
 Ranunculus <sup>acris</sup> 4, 8, 10  
 Sanguinaria canadensis  
 Sanicula gregaria 12, 13, 16, 17, 18, 19  
 Smilax ecirrhata 5  
 Stellaria media  
 Taraxacum officinale 12, 3, 4, 5, 8, 9, 10  
 Trientalis americana  
 Trifolium hybridum  
 Trifolium pratense  
 Trillium grandiflorum  
 Tyctopodium lucidulum  
 Urtica gracilis  
 Uvularia grandiflora  
 Veronica officinalis  
 Viburnum acerifolium  
 Viola papilionacea  
 VI <sup>sagittalis</sup> 1, 13  
 <sup>cucullata</sup> 4, 9, 10, 12, 15, 17  
 Impatiens pallida  
 Onoclea sensibilis  
 Sambucus canadensis  
 Sambucus racemosa  
 Vaccinium pennsylvanicum  
 Monarda <sup>fulva</sup> 12, 3, 4, 6, 9  
 Cirsium arvense 5  
 basal <sup>part</sup> 12, 9, 10, 11, 13, 15  
 ulmus fulva  
 Agrimonia <sup>gagayana</sup> 2, 7, 9, 10  
 Muhlenbergia <sup>Schreberi</sup> 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17  
 Heuchera <sup>nicholsonii</sup> 2, 10, 18, 19, 20  
 Phytolacca <sup>capitata</sup> 3, 9, 13, 14, 15, 17, 19  
 Ribes cynosbata 3, 16  
 Rudbeckia <sup>hertoni</sup> 3  
 Panax <sup>quinquefolia</sup> 5  
 Amphicarpum <sup>bracteatum</sup> 5, 14, 15, 17  
 Cory <sup>cordifolia</sup> 7, 20  
 Zosteris <sup>phycodes</sup> 9, 12, 13, 14, 15, 16  
 Botrychium <sup>virginicum</sup> 9, 14, 15, 19, 20  
 Circium <sup>discolor</sup> 10  
 Arisaema <sup>atrorhizon</sup> 11  
 Smilacina <sup>racemosa</sup> 12, 13, 14  
 Iron <sup>pau</sup> 12  
 Ranunculus <sup>lilbergii</sup> 12  
 " <sup>latifolius</sup> 13, 14, 15  
 Sol. <sup>laterifolius</sup>



1801

STAND NO. 106

SPECIES LIST FOR GRAZED STANDS

DATE 1502

Acalypha virginica  
 Adiantum pedatum  
 Agrostis alba  
 Ambrosia artemisiifolia  
 Aralia racemosa  
 Aspidium spinulosum  
 Aster sagittifolius 5 7 8 9, 11, 12  
 Bidens discoides  
 Bidens frondosa  
 Brachyelytrum erectum  
 Carex albursina 2  
 Carex rosea 1 3 4 5 6 7 8 9, 10, 11, 12, 13, 14, 15, 16, 17, 18  
 Cardamine pennsylvanica 19, 20  
 Circaea intermedia 3 4 5 6 7 9, 10, 11, 13, 15, 16, 18  
 Circaea latifolia  
 Corylus americana 9  
 Dryopteris spinulosa  
 Epifogus virginiana  
 Epilobium glandulosum  
 Erigeron philadelphicus  
 Eupatorium rugosum  
 Fragaria virginiana 2 7 8, 14  
 Galium concinnum 2 5 7 9, 10, 11, 12, 13, 15, 20  
 Galium triflorum  
 Gaultheria procumbens  
 Geranium maculatum 14  
 Geum canadense 4 8 9, 10, 11, 12, 14, 18  
 Hackelia virginiana  
 Helianthus trachelifolius  
 Hepatica acutiloba  
 Hieracium aurantiacum  
 Juncus tenuis  
 Laportea canadensis  
 Lobelia inflata  
 Maeanthemum canadense  
 Mitchellia repens  
 Monotropa uniflora  
 Nepeta cataria  
 Osmorhiza Claytoni  
 Osmorhiza longistylis  
 Osmunda claytoniana  
 Oxalis acetosella  
 Oxalis stricta  
 Parietaria pennsylvanica  
 Parthenocissus vitacea  
 Phleum pratense  
 Phytolacca decandra  
 Pilea pumila  
 Plantago sp. 2, 11  
 Poa ~~pratensis~~ 1 2 3 5 6 7 8 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20  
 Podophyllum peltatum 3 4 7 8, 10, 11, 12, 20  
 Polygonum convolvulus  
 Polygonum hydropiper  
 Polygonum persicaris  
 Potentilla canadensis  
 Potentilla recta

Prunella vulgaris  
 Rubus allegheniensis  
 Rubus hispidus  
 Rubus occidentalis  
 Rumex acetosella  
 Rumex obtusifolius  
 Ranunculus ~~abortivus~~ 12, 14  
 Sanguinaria canadensis  
 Sanicula gregaria 2 4 5 7 8 9, 10  
 Smilax ecirrhata 2, 3  
 Stellaria media  
 Taraxacum officinale 11, 16, 18  
 Trientalis americana  
 Trifolium hybridum  
 Trifolium pratense  
 Trillium grandiflorum  
 Tycopodium lucidulum  
 Urtica gracilis  
 Uvularia grandiflora  
 Veronica officinalis  
 Viburnum acerifolium  
 Viola papilionacea  
 caculata 1 2 3 5 6, 11, 12, 15, 17, 19  
 Impatiens pallida  
 Onoclea sensibilis  
 Sambucus canadensis  
 Sambucus racemosa  
 Vaccinium pennsylvanicum  
 Anemone pulsatilla 1, 8, 13, 20  
 Solidago latifolia 2  
 Mulinbergii schribneri 23 7 8 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20  
 Simulacra racemosa 2 3 4, 12, 20  
 Agrinon griseocapula 2 3 5, 13, 15, 18  
 Amphicarpa bracteata 2 5 8 10  
 Dicentra villosa 3  
 Rites cyropata 3 5, 8  
 Satura 4 9, 12, 13, 14, 15  
 Botriochloa 5, 15, 20  
 Oedoglossum 5, 11, 18  
 Anemone cylindrica? 5  
 Phryma leptostachya 8 9, 10, 11, 12, 13, 17, 20  
 Aricimastrum 9, 10, 11, 12  
 Panicum litbergi 10, 14  
 Parax quinque 12  
 Cozza cont 12  
 Panicum latifolium 13, 15  
 Antennaria plantaginifolia 14, 15  
 Sione Pav 15, 17  
 Sol. alnifolia 15



Grazing Indicators  
Presence

1801

Extreme +2  
Decreasers

Carya ovata  
Quercus alba  
Aralia nudicaul.  
A. racemosa  
Caulophyllum thal.  
Hystrix patula  
Sanicula mariland.  
Vitis astevalis

Moderate +1 3  
Decreasers

Acer saccharum  
Prunus serotina  
P. virginiana  
Quercus rubra  
Tilia americana  
Actaea Sp.  
Adiantum pedatum  
Anthriscum angustif.  
Campanula americana  
Celastrus scandens  
Cornus femina  
C. rugosa  
Corylus americana ✓  
Desmodium glutinosum  
Dioscorea villosa ✓  
Eupatorium purpur.  
E. rugosum  
Polygonatum canic.  
Rhus radicans  
Rubus alleghen. ✓  
R. occidentalis  
Smilax hebecea  
Triosteum perfol.  
Uvularia grandiflorum  
Vitis riparia

Invaders -2 9 = 18

Fraxinus americana  
Ambrosia artemisiifolia ✓  
Antennaria sp. ✓  
Aquilegia canadense  
Arctium minus ✓  
Aster lateriflorus  
Bidens sp.  
Cerastium vulgatum  
Cirsium arvense ✓  
Erigeron philadel. ✓  
Lithospermum latiflorum  
Monarda fistulosa ✓  
Oxalis stricta ✓  
Panicum lebergii ✓  
Pilea pumila  
Plantago sp.  
Poa compressa  
Smilax hispida  
Taraxacum off. ✓  
Tovara virginiana

Increasers -1 10

Ulmus fulva ✓  
Agrimonia gryposep. ✓  
Botrychium virginiana ✓  
Cryptotania canadensis  
Galium aparine  
G. triflorum  
Lactuca biennis ✓  
Lithospermum can.  
Muhlenbergia schreberi ✓  
Parietaria penn.  
Poa pratense ✓  
Ranunculus abortivus ✓  
Sanicula gregaria ✓  
Smilacina racemosa ✓  
Solidago ulmifolia ✓

Sum of Indicators

3

- 28

$$\frac{U-G}{\text{Tot units}} = \frac{3-28}{131} = \frac{-25}{131} = .80$$



















STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SHRUBS & HERBS (cont'd)																					
Lithospermum latifolium																					
Lobelia cardin.																					
L. spicata																					
Lonicera canadense																					
L. dioica																					
L. hirsuta																					
L. prolifera																					
Luzula acuminata																					
L. multiflora																					
Lycopodium lucidulum																					
L. obscurum																					
Lysimachia quadrifolia																					
Maianthemum can.																					
Menispermum can.																					
Miliun effusum																					
Mitchella repens																					
Mitella diphylla																					
Monarda fistul.																					
	10	25	29	2.7																	
Monotropa uniflora																					
Morus rubra																					
Muhlenbergia frondosa <small>2 CA 4 → 6 days</small>																					
	31	78	151	8.5																	
Oenothera biennis																					
Onoclea sensib.																					
Orchis spectab																					
Oryzopsis asper.																					
O. racemosa																					
Osmorhiza clayt.																					
	1	2.5	2.5	.3																	
O. longistylis																					
Osmunda cinnam.																					
O. claytoniana																					
Oxalis violacea <small>stric? 2</small>																					
	1	2.5	2.5	.3																	
Panax quinquef.																					
	2	5	5	.5																	
P. trifolium																					
Panicum latifol. <small>10 11</small>																					
	7	12.5	13.5	1.3																	
Parietaria penn.																					
Paronychia cana.																					
Parthenocissus vitacea																					
Pedicularis can.																					
Phlox divaricata																					
Phryma leptost.																					
	15	37.5	47	4.1																	
Physocarpus opul.																					
Phytolacca dec.																					
Pilea pumila																					
Poa palustris <small>Protense</small>																					
	36	90	230	9.9																	
Podophyllum pel.																					
	14	35	43	3.9																	
Polemonium rep.																					
Polygonatum com.																					
P. pubescens																					
Polygonum virg.																					
Polymnia canad.																					
Polypodium virgin.																					







4502  
1801

Hardwood Survey (Cont'd)

STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>SHRUBS &amp; HERBS (Cont'd)</b>																					
<i>Symplocarpus foetidus</i>																					
<i>Taenidia integ.</i>																					
<i>Taxus canadensis</i>																					
<i>Thalictrum dio.</i>																					
<i>Thaspium aureum</i>																					
<i>Tradescantia oh.</i>																					
<i>Trientalis borealis</i>																					
<i>Trillium cernuum</i>																					
<i>T. flexipes</i>																					
<i>T. grandiflorum</i>																					
<i>T. recurvatum</i>																					
<i>Triosteum perf.</i>																					
<i>Uvularia grandif.</i>																					
<i>U. sessilifolia</i>																					
<i>Vaccinium angustifolium</i>																					
<i>Vaccinium canad.</i>																					
<i>Verbena urticaefolia</i>																					
<i>Veronica serpyll.</i>																					
<i>Veronicastrum vir.</i>																					
<i>Viburnum acerifol.</i>																					
<i>V. affine</i>																					
<i>V. lentago</i>																					
<i>V. trilobum</i>																					
<i>Vicia americana</i>																					
<i>Viola conspersa</i>																					
<i>Viola cucullata</i>		16		40		51		44													
<i>V. incognita</i>																					
<i>V. pubescens</i>																					
<i>Viola sagittata</i>		2		5		5															
<i>Vitis aestivalis</i>					1																
<i>V. a. var. argent.</i>																					
<i>V. riparia</i>																					
<i>Woodsia ilvensis</i>																					
<i>Zanthoxylum amer.</i>																					
<i>Zizia aurea</i>																					
<b>Additional sp.</b>																					
<i>Cirsium discolor</i>		1		2.5		2.5		2.8													
<i>Panicum labergii</i>		3		7.5		7.5		.8													
<i>Ambrosia artemis.</i>		1		2.5		2.5		.8													
<i>Teraxicum aff.</i>		11		27.5		32		3.0													
<i>Arctium minus</i>		2		5		5		.5													

362

365 1200

275