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1 mi. E. of Gill's Rock, Beech-Maple-Hemlock
SE 1/4, S 32, T 33 N, R 29 E

6/22/49

JTC

Pres. List

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fraxinus penn.			Quercus alba		
Acer rubrum			Fraxinus lance			Quercus ellips		
✓Acer saccharum			Juglans cinere			Quercus macroc.		
Acer spicatum			✓Ostrya virgin.			✓Quercus rubra		
Amelanchier sp.			Pinus Banksian			Quercus sp.		
Betula lutea			Pinus resinosa			Sorbus decora		
✓Betula papyrifera			Pinus Strobus			✓Tilia amer.		
Carpinus carol.			Populus grand.			✓Tsuga canad.		
Carya cordif.			Populus trem.			Ulmus amer.		
Carya ovata			✓Prunus pensyl.			Ulmus fulva		
Crataegus sp.			Prunus serotin			✓Abies		
✓Fraxinus amer.			Prunus virgin.			✓Pop. balsamifera		
✓Fagus						Distance:		

Shrubs & Herbs

Achillea millefolium	Euphorbia corol.	Polygonella artic.
Agrimonia gryposepala	Fragaria spp.	Polypodium virg.
Agropyron trachycaulon	Galium boreale	Potentilla simplex
var. glaucum	✓Galium triflorum	Prenanthes alba
Alnus rugosa	Gaultheria procum.	✓Pteridium aquilinum
Amorpha canescens	Gaylussacia baccata	var. latiusculum
Amphicarpa bracteata	Geranium maculatum	Pyrola elliptica
Andropogon Gerardi	Geum canadense	Pyrola rotundifolia
Andropogon scoparius	Gnaphalium obtusif.	Pyrola secunda
Anemone virginiana	var. micradenium	Ranunculus fasc.
Antennaria plantag.	Goodyera pubescens	Ranunculus rhomboid.
Apocynum androsaem.	Helianthemum can.	Rhus glabra
Aquilegia canadensis	Helianthus occident.	Rhus radicans
Arabis lyrata	Heliopsis scabra	Rhus typhina
✓Aralia nudicaulis	✓Hepatica americana	✓Ribes americanum
Arctostaphylos Uva	Heuchera Richardsonii	Rosa spp.
Aronia melanocarpa	Hieracium canadense	Rubus-blackberry
Artemisia caudata	Hieracium scabrum	Rubus-dewberry
Aster azureus	Houstonia longifolia	Rubus-raspberry
Aster lateriflorus	Hypoxis hirsuta	Rudbeckia hirta
var. pendulus	Hystrix patula	Salix discolor
Aster laevis	Juncus Greenii	var. latifolia
✓Aster macrophyllus	Koeleria crisata	Sambucus canadensis
Aster ptarmicoides	Krigia biflora	Sanicula gregaria
✓Aster sagittifolius	Lactuca canadensis	Sisyrinchium camp.
Athyrium angustatum	Lathyrus ochroleucus	✓Smilacina racemosa
Aureolaris pedic.	Lathyrus venosus	Smilacina stellata
Bromus ciliatus	Lithospermum canes.	Smilax ecirrhata
var. intonsus	Lithospermum croceum	Smilax herbacea
Calamagrostis	Lupinus perennis	Smilax hispida
Carex Crawfordii	Lycopodium complan.	Solidago canadensis
Carex pennsylvanica	Lycopodium obscurum	var. gilvocan.
Carex siccata	Lysimachia quadrif.	Solidago juncea
Ceanothus ovatus	✓Maianthemum can.	Solidago nemoralis
Celastrus scandens	✓Mitchella repens	Solidago speciosa
Chimaphila umbellata	Monarda fistulosa	var. angustata
Clematis virginiana	Myrica asplenifolia	Tephrosia virginiana
Comandra umbellata	Onoclea sensibilis	Tradescantia ohien.
Convolvulus spitham.	Osmorhiza Claytoni	✓Trientalis borealis
Coreopsis palmata	Osmunda Claytoniana	✓Uvularia grandiflora
Cornus alternifolia	Osmunda regalis	Uvularia sessilif.
Cornus canadensis	Oxalis violacea	Vaccinium angustif.
Cornus femina	Panicum implicatum	Vaccinium canadense
Cornus stolonifera	Parthenocissus vitacea	Vicia americana
Corylus americana	✓Vedicularis lanc.	Vicia villosa
Cypripedium acaule	Phlox pilosa	✓Viola canadensis
Desmodium acuminatum	Phryma leptostachya	✓Viola cucullata
Desmodium canadense	Physalis virginiana	Viola pedata
Diervilla Lonicera	Poa compressa	var. lineariloba
✓Dryopteris spin.	Polygala polygama	Biola sagittata
Epigaea repens	✓Polygonatum biflorum	Vitis aestivalis
Erigeron ramosus	Onyzopsis	Zanthoxylum amer.
	✓Epifagus	

II Pine Wood Survey

Point Record

Stand No.:

Actaea rubra	Erysimum cheir.	Physocarpus opulif.
Adiantum pedatum	Erythronium albidum	Podophyllum peltatum
Aletris farinosa	Eupatorium perf.	Polemonium reptans
Anemone canadensis	Galium aparine	Polygala sanguinea
Anemone cylindrica	Galium asperellum	Polygonatum pubescens
Anemone quinquefolia	Galium Claytoni	Potentilla arguta
Apocynum cannabinum	Galium concinnum	Prunella vulgaris
Arabis canadensis	Galium lanceolatum	Pteretis nodulosa
Aralia hispida	Gerardia Gattingeri	Pycnanthemum virg.
Arenaria lateriflora	Habenaria psycodes	Ranunculus abortivus
Arisaema strobilifera	Hamamelis virginiana	Ranunculus acris
Asarum canadense	Helianthemum Bick.	✓ Ranunculus pennsylv. recurvatus
Asclepias amplexic.	Hepatica acutiloba	Rhus copallina
Asclepias phytolac.	Hydrophyllum virg.	Rhus glabra
Asclepias syriaca	Hypericum Kalmianum	var. borealis
Asclepias tuberosa	Ilex verticillata	Rhus Vernix
Aster caeruleus	Impatiens biflora	Ribes cynosbati
Aster puniceus	Iris virginica	Ribes hirtellum
Aster sericeus	var. Shrevei	Ribes missouriense
Baptisia leucantha	Isopyrum biternatum	Rudbeckia laciniata
Baptisia leucophaea	Juncus tenuis	Sambucus pubens
Boehmeria cylindrica	Laportea canadensis	Sanguinaria can.
✓ Botrychium virginianum	Lechea intermedia	Sanicula marilandica
Bromus Kalmii	Ledum groenlandicum	Scutellaria epilob.
Campanula aparinoides	Lespedeza capitata	Scutellaria parvula
Campanula rotundif.	Liatris aspera	var. Leonardi
Ceanothus americanus	Liatris cylindrica	Silphium perfoliatum
Chamaedaphne caly.	Liatris pycnostachya	Solidago castrensis
Circaea latifolia	Lilium michiganense	Solidago graminifolia
Claytonia virginica	Linaria canadensis	var. remota
✓ Clintonia borealis	Liparis lilifolia	Solidago hispida
Conopholis americana	Lobelia cardinalis	Solidago missouriensis
Coptis trifolia	Lobelia inflata	var. glaberrima
✓ Cornus rugosa	Lobelia spicata	Specularia perfoliata
Corydalis aurea	Lonicera dioica	Spiraea alba
Corydalis semperv.	✓ Lonicera oblongif.	Spiraea tomentosa
✓ Corylus cornuta	Lonicera prolifera	var. rosea
Cryptotaenia can.	Lychnis alba	Sporobolus crypt.
Cystopteris fragilis	Lycopodium clavatum	Steironema lanc.
Cyperus filiculmis	Lycopus americana	Stellaria media
Cyperus Schweinitzii	Lysimachia terrestris	Symphoricarpos albus
Danthonia spicata	Menispermum can.	Taenidia integ.
Dentaria laciniata	Mitella diphylla	Thalictrum dioicum
Desmodium nudiflorum	Monarda punctata	✓ Trillium grandiflorum
Dicentra canadensis	Monotropa uniflora	Verbena stricta
Dioscorea villosa	Oenothera biennis	Veronica americana
Dodecatheon Meadia	Oenothera muricata	Veronicastrum virg.
Dryopteris cristata	Optunia Rafinesquii	✓ Viburnum acerif.
Dryopteris Linnaeana	Orobanche uniflora	✓ Viburnum affine
Dryopteris marg.	Osmunda cinnamomea	Viburnum Lentago
Dryopteris Pheg.	Oxypolis rigidier	Viola eriocarpa
Equisetum arvense	var. longifolia	Viola incognita
Equisetum hyemale	Pedicularis canadensis	✓ Viola pallens canadensis
var. affine	Pellaea glabella	Viola pubescens
Erechtites hier.	Pentstemon gracilis	Woodsia ilvensis
	var. wisconsinensis	✓ Streptopus
	✓ Polygala pennsylv.	✓ Taxus

THE CORTICOLOUS VEGETATION OF THE NORTHERN WISCONSIN UPLAND
Data collected by William L. Culberson, Summers 1952-1953.

From a 40-tree sample, the continuum index of this stand is.....²⁹⁶⁷
Abbreviations in the data sheet refer to the following species:

Alectoria nidulifera	Parmelia saxatilis	(Bryophytes)
Allarthonia caesia	Parmelia subaurifera	
Anaptychia palmatula	Parmelia subquercifolia	Amblystegium varium
Anaptychia speciosa	Parmelia sulcata	Anomodon attenuatus
Arthonia radiata	Parmelia trichotera	Anomodon minor
Bacidia chlorococca	Parmeliopsis ambigua	Anomodon rostratus
Bacidia fuscorubella	Parmeliopsis hyperopta	Anomodon tristis
Bacidia sp.	Parmeliopsis placorodia	Bazzania trilobata
Buellia punctata	Peltigera canina	Brachythecium sp.
Buellia stillingiana	Pertusaria sp.	Brotherella recurvans
Caloplaca aurantiaca	Physcia aipolia	Campylium hispidulum
Caloplaca cerina	Physcia ascendens	Chamberlainia acuminata
Caloplaca sp.	Physcia ciliata	Dicranum flagellare
Candelaria concolor	Physcia grisea	Dicranum montanum
Candelaria fibrosa	Physcia millegrana	Dicranum sp.
Cetraria atlantica	Physcia orbicularis	Entodon sp.
Cetraria ciliaris	Physcia syncolla	Eurhynchium serrulatum
Cetraria fendleri	Physcia tribacoides	Eurhynchium strigosum
Cetraria oakesiana	Pyrenula leucoplaca	Frullania asagrayana
Cetraria pinastri	Pyrenula nitida	Frullania bolanderi
Cladonia botrytes	Pyxine sorediata	Frullania eboracensis
Cladonia cenotea	Ramalina fastigiata	Heterophyllum
Cladonia chlorophaea	Ramalina pollinaria	haldanianum
Cladonia coniocraea	Rinodina halei	Hypnum reptile
Cladonia cristatella	Rinodina papillata	Hypnum sp.
Cladonia verticillata	Rinodina sp.	Jamesoniella autumnalis
Collema subfurvum	Trypethelium virens	Leskea sp.
Conotrema urceolatum	Usnea sp.	Leucodon sciuroides
Evernia mesomorpha	Xanthoria fallax	Lindbergia brachyptera
Graphis scripta	Xanthoria polycarpa	var. austinii
Lecanora pallida		Lophocolea heterophylla
Lecanora subfusca		Mnium cuspidatum
Lecanora varia		Mnium spinulosum
Lecidea berengeriana		Neckera pennata
Lecidea nylanderii		Orthotrichum sp.
Lecidea vernalis		Plagiochila asplenioide
Lepraria aeruginosa		Plagiothecium sp.
Leptorhaphis epidermidis		Platygyrium repens
Le sym - unknown crustose		Porella platy-
Lobaria pulmonaria		phylloidea
Lobaria Quercizans		Ptilidium pulcherrimum
Normandina pulchella		Pylasia sp.
Ochrolechia pallescens		Radula complanata
Opegrapha varia		Tetraphis pellucida
Parmelia andreana		Thuidium delicatulum
Parmelia aurulenta		Uloa crispa
Parmelia borrieri		
Parmelia caperata		
Parmelia cetrarioides		
Parmelia crinita		
Parmelia physodes		
Parmelia rudecta		

Ecology Laboratory
University of Wisconsin
Madison

Cryptogam Summary. DBH Level ~~29~~ W.L.Culberson. Stand No. 3158

No. trees 10 29 1

	Ac rub	Ac sac	Be lut	Be pap	Fa gra	Os vir	Pi ban	Pi res	Pi str	Po gra	Po tre	Pr ser	Qu alb	Qu ell	Qu rub	Ti ame	Ts can	Ul ame	Total	Frequency
An pal		1																	1	3
Ar imp					2										1				3	8
Ba sp.					2														2	5
Bu sti		1																	1	3
Cn con		8			3										1				12	30
Cr neg		5			17										1				22	55
Gr scr		4			7														12	30
Le sub		1			1														2	5
Le sym		4			1														5	13
Lo que		1																	1	3
Qc pal					1														1	3
Pa aur		2			1														3	8
Pa cap					2														2	5
Pa rud					5														5	13
Pe sp.					1														1	3
Ph aip		3																	3	8
Ph gri		3																	3	8
Ph mil		1			1														2	5
Ph orb		9			2										1				12	30
Ph tri		1																	1	3
Ri hal		2																	2	5
Tr vir					23														23	58
		46			69										4				119	
An min		1																	1	3
Fr ebo		6			3										1				10	25
Pl rep		2			2														4	10
		9			5										1				15	