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Plant Ecology Laboratory
Data Form 68

Station No. 5125

Tree	No. Pts.	No. Tr.	Size Cl. sq. in.			No. Dom.	F%	F%	D%	Dom%	DFD Index	
			12- 80	81- 320	321+							
<i>Abies balsamea</i>	11	17				297		23	17	10	50	225.0
<i>Acer rubrum</i>												
<i>Acer spicatum</i>												
<i>Betula lutea</i>												
<i>B. papyrifera</i>												
<i>Carya cord.</i>												
<i>C. ovata</i>												
<i>Fraxinus nigra</i>												
<i>Juglans cinerea</i>												
<i>Larix laricina</i>	5	6				204		11	6	7	24	24
<i>Picea glauca</i>												
<i>P. mariana</i>	10	16				566		21	16	20	57	114
<i>Pinus resinosa</i>												
<i>P. strobus</i>												
<i>Pop. balsamifera</i>												
<i>P. grand.</i>												
<i>P. trem.</i>												
<i>Prunus serotina</i>												
<i>Pyrus americana</i>												
<i>Quercus bicolor</i>												
<i>Q. rubra</i>												
<i>Thuja occ.</i>	20	61				1804		43	61	63	167	668
<i>Tilia americana</i>												
<i>Tsuga can.</i>												
<i>Ulmus americana</i>												
<i>U. rubra</i>												

Total tran. 46

Av. Tr. Dis. 10.8'

Av. BA 287

No. Tr./Acre 431

1031

4
Bunge Cad
125

TAB
Sta

STAND NO. 5125

total dist 642
4
646' 48"

total dist 642
4
646' 48"

Stand No. 5125

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<i>Achillea millefolium</i>																						
<i>Actaea</i> sp.																						
<i>Adiantum pedatum</i>																						
<i>Agrostis gigantea</i>																						
<i>Agrostis perennans</i>																						
<i>Agrostis scabra</i>																						
<i>Alnus rugosa</i>	✓				✓				✓			✓	✓	✓	✓	✓		✓				8
<i>Amphicarpa bracteata</i>																						
<i>Anaphalis margaritacea</i>																						
<i>Andromeda glaucophylla</i>	✓						✓															1
<i>Anemone canadensis</i>																						
<i>Anemone riparia</i>																						
<i>Anemone virginiana</i>																						
<i>Angelica atropurpurea</i>																						
<i>Aralia hispida</i>																						
<i>Aralia nudicaulis</i>	✓						✓															1
<i>Arethusa bulbosa</i>	✓																					-
<i>Arisaema atrorubens</i>																						
<i>Asclepias incarnata</i>																						
<i>Asclepias syriaca</i>																						
<i>Asparagus officinalis</i>																						
<i>Aster junciformis</i>																						
<i>Aster lateriflorus</i>																						
<i>Aster macrophyllus</i>	✓																					-
<i>Aster novae-angliae</i>	✓																					-
<i>Aster umbellatus</i>																						
<i>Athyrium filix-femina</i>																						
<i>Barbarea vulgaris</i>																						
<i>Betula pumila</i>																						
<i>Bidens comosa</i>																						
<i>Bidens connata</i>																						
<i>Bidens coronata</i>																						
<i>Boehmeria cylindrica</i>																						
<i>Botrychium virginianum</i>																						
<i>Brachyelytrum erectum</i>																						
<i>Bromus ciliatus</i>																						
<i>Calamagrostis canadensis</i>																						
<i>Calla palustris</i>	✓																					-
<i>Calopogon pulchellus</i>																						
<i>Caltha palustris</i>	✓				✓	✓																2
<i>Campanula aparinoides</i>																						
<i>Carex aquatilis</i>																						
<i>Carex arcta</i>																						
<i>Carex bebbii</i>																						
<i>Carex brunnescens</i>																						
<i>Carex cephalantha</i>																						
<i>Carex comosa</i>																						
<i>Carex crinita</i>																						
<i>Carex c. var. gynandra</i>																						
<i>Carex debilis</i>																						
<i>Carex deweyana</i>																						

[illegible]

CONIFER SWAMP

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Dryopteris cristata	✓												✓									1
Dryopteris disiuncta																						
Dryopteris phegopteris																						
Dryopteris spinulosa	✓					✓						✓	✓									3
Dryopteris thelypteris								✓														1
Dulichium arundinaceum																						
Echinocystis lobata																						
Eleocharis smallii																						
Epigaea repens																						
Epilobium angustifolium	✓																					-
Epilobium glandulosum va																						
Epilobium strictum	✓	✓																				1
Equisetum fluviatile	✓										✓	✓										2
Equisetum scirpoides																						
Erigeron philadelphicus																						
Eriophorum angustifolium																						
Eriophorum spissum																						
Eriophorum tenellum																						
Eriophorum virginicum																						
Eriophorum viridi-carina																						
Eupatorium maculatum																						
Eupatorium perfoliatum																						
Galium aparine																						
Galium boreale																						
Galium concinnum																						
Galium labradoricum	✓																					-
Galium trifidum																						
Galium triflorum	✓										✓						✓					2
Galeopsis tetrahit																						
Gaultheria hispidula	✓			✓				✓	✓		✓	✓			✓				✓		✓	8
Gaultheria procumbens																						
Gaylussacia baccata																						
Gentiana linearis																						
Geranium maculatum																						
Geum laciniatum																						
Geum rivale																						
Glyceria canadensis																						
Glyceria grandis																						
Glyceria striata	✓							✓														1
Goodyera repens																						
Habenaria clavellata																						
Habenaria dilatata																						
Habenaria hyperborea																						
Habenaria lacera																						
Habenaria leucophaea																						
Habenaria media																						
Habenaria obtusata																		✓				1
Habenaria psycodes																						
Halenia deflexa																						
Hydrocotyle americana																						
Hypericum virginicum																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5125

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5125

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Osmunda regalis</i>																							
<i>Oxalis montana</i>	✓											✓	✓			✓							3
<i>Oxalis stricta</i>																							
<i>Panicum boreale</i>																							
<i>Panicum lanuginosum</i> var.																							
<i>Parietaria pensylvanicum</i>																							
<i>Parthenocissus inserta</i>																							
<i>Pedicularis lanceolatus</i>																							
<i>Penthorum sedoides</i>																							
<i>Phalaris arundinacea</i>																							
<i>Phleum pratense</i>																							
<i>Phragmites communis</i>																							
<i>Physocarpus opulifolius</i>																							
<i>Pilea pumila</i>																							
<i>Poa palustris</i>	✓																						-
<i>Poa pratensis</i>																							
<i>Pogonia ophioglossoides</i>																							
<i>Polygala paucifolia</i>																							
<i>Polygonatum pubescens</i>																							
<i>Polygonum convolvulus</i>																							
<i>Polygonum amphibium</i> var.																							
<i>Polygonum sagittatum</i>																							
<i>Potentilla fruticosa</i>																							
<i>Potentilla palustris</i>	✓																						-
<i>Prenanthes alba</i>																							
<i>Prunella vulgaris</i>																							
<i>Prunus pensylvanicum</i>																							
<i>Prunus virginiana</i>																							
<i>Pteridium aquilinum</i>																							
<i>Pycnanthemum virginianum</i>																							
<i>Pyrola asarifolia</i>																							
<i>Pyrola elliptica</i>																							
<i>Pyrola rotundifolia</i>																							
<i>Pyrola secunda</i>	✓		✓																	✓			2
<i>Pyrus floribunda</i>																							
<i>Pyrus melanocarpa</i>																							
<i>Ranunculus abortivus</i>																							
<i>Ranunculus hispidus</i>																							
<i>Rhamnus alnifolia</i>	✓					✓																	1
<i>Rhus radicans</i>																							
<i>Rhus vernix</i>																							
<i>Rhynchospora alba</i>																							
<i>Ribes americanum</i>																							
<i>Ribes cynosbati</i>																							
<i>Ribes hirtellum</i>																							
<i>Ribes lacustre</i>																							
<i>Ribes triste</i>	✓																						-
<i>Rosa carolina</i>																							
<i>Rubus allegheniensis</i>																							
<i>Rubus idaeus</i>																							
<i>Rubus occidentalis</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5125

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Rubus pubescens</i>	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓	✓				✓	✓			12	
<i>Rumex crispus</i>																							
<i>Rumex verticillatus</i>																							
<i>Sagittaria latifolia</i>																							
<i>Salix candida</i>																							
<i>Salix pedicellaris</i>																							
<i>Salix sp.</i>																							
<i>Sambucus canadensis</i>																							
<i>Sarracenia purpurea</i>	✓																					-	
<i>Saxifraga pennsylvanica</i>	✓																					-	
<i>Scheuchzeria palustris</i>	✓																						
<i>Scirpus acutus</i>																							
<i>Scirpus cyperinus</i>																							
<i>Scirpus hudsonianus</i>																							
<i>Scirpus pedicellatus</i>																							
<i>Scirpus rubrotinctus</i>																							
<i>Scirpus validus</i>																							
<i>Scutellaria epilobifolia</i>																							
<i>Scutellaria lateriflora</i>																							
<i>Selaginella selaginoides</i>																							
<i>Senecio aureus</i>																							
<i>Sium suave</i>																							
<i>Smilacina stellata</i>																							
<i>Smilacina trifolia</i>	✓	✓	✓	✓	✓	✓		✓										✓				7	
<i>Smilax herbacea</i>																							
<i>Smilax lasioneura</i>																							
<i>Solanum dulcamara</i>																							
<i>Solidago canadensis</i>																							
<i>Solidago gigantea</i>																							
<i>Solidago graminifolia</i>																							
<i>Solidago patula</i>																							
<i>Solidago purshii</i>																							
<i>Sphenopholis intermedia</i>																							
<i>Spiraea alba</i>																							
<i>Spiraea tomentosa</i>																							
<i>Stachys palustris</i> var. h																							
<i>Stachys tenuifolia</i>																							
<i>Stellaria longifolia</i>																							
<i>Streptopus roseus</i>																							
<i>Symplocarpus foetidus</i>																							
<i>Taxus canadensis</i>																							
<i>Thalictrum dasycarpum</i>																							
<i>Trientalis borealis</i>				✓				✓	✓				✓	✓		✓		✓			✓	8	
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>																							
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>	✓						✓			✓						✓			✓			4	
<i>Vaccinium oxycoccos</i>	✓		✓				✓			✓						✓			✓	✓		6	

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 5

Abies balsamea
Acer rubrum
Acer spicatum
Betula lutea
Betula papyrifera
Carya cordiformis
Fraxinus nigra

Juglans cinerea
Larix laricina
Picea glauca
Picea mariana
Pinus resinosa
Pinus strobus
Populus tremuloides

Prunus serotina
Quercus bicolor
Quercus rubra
Sorbus americana
Thuja occidentalis
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

Alnus incana
Alnus rugosa 4-8-11-12-13-14-
Andromeda glaucophylla 15-18
Anemone canadensis
Aralia hispida
Aralia nudicaulis
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
Arisaema atrorubens
Asclepias incarnata
Aster lateriflorus
Aster novae-angliae
Aster umbellatus
Betula pumila
Betula sandbergii
Bidens coronata
Boehmeria cylindrica
Botrychium virginianum
Bromus ciliatus
Calamagrostis canadensis
Calla palustris
Calopogon pulchellus
Caltha palustris 4-5-
Campanula aparinoides
Chamaedaphne calyculata
Chiogenes hispidula 3-7-8-10
Cicuta bulbifera 11-14-18-20
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis 12-15-19-20
Coptis trifolia 8-11-12-14-
Corallorrhiza trifida
Cornus canadensis 5-7-8-10
Cornus obliqua 11-12-13-14-
Cornus stolonifera 17-18
Cypripedium acaule
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
Dryopteris linneana

Dryopteris phegopteris
Dryopteris spinulosa 5-11-13-
Dryopteris thelypteris 7-
Dulichium arundinaceum
Epigaea repens
Epilobium adenocaulon
Epilobium angustifolium
Epilobium densum
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum
Eriophorum viridi-carinatum
Eupatorium perfoliatum
Eupatorium maculatum
Galium aparine
Galium concinnum
Galium labradoricum
Galium trifidum
Gaultheria procumbens
Gaylussacia baccata
Gentiana linearis
Geum rivale
Glyceria striata 7-
Goodyera repens
Habenaria clavellata
Habenaria dilatata
Habenaria hyperborea
Habenaria lacera
Habenaria leucophaea
Habenaria media
Habenaria obtusata 17-
Habenaria psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
Impatiens biflora 11-19
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
Ledum groenlandicum 1-2-4-5-6-9-11-14-16
Leersia oryzoides 18-19-20
Linnaea borealis 1-3-4-8-10-12-
Liparis loeselii 14-17-20
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
Maianthemum canadense 12-15-17
Malaxis unifolia
Menyanthes trifoliata 1-20
Mimulus ringens
Mitchella repens
Mitella nuda 4-5-7-8-10-11-13
Moneses uniflora 4-
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
Nemopanthus mucronata
Onoclea sensibilis
Osmunda cinnamomea
Osmunda regalis
Parnassia caroliniana
Parthenocissus vitacea
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
Poa palustris
Pogonia ophioglossoides
Polygala pauciflora
Potentilla palustris
Prenanthes alba
Pyrola asarifolia
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda 2-19-
Ranunculus abortivus
Rhamnus alnifolia 5-
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus
Rubus triflorus 1-3-4-5-7-8-10-11-
Rynchospora alba 12-13-17-18
Salix candida
Sarracenia purpurea

Rahr Estate, Mich.

Cedar-spruce
swamp at
SE corner of
Buge bog

Buge bog

F

1156

Cedar-spruce swamp

Bunge Ced ^F
5125

✓ *Saxifraga pennsylvanica*
✓ *Scirpus cyperinus*
✓ *Scirpus acutus*
✓ *Scirpus hudsonianus*
✓ *Scirpus rubrotinctus*
✓ *Scirpus validus*
✓ *Scutellaria epilobifolia*
✓ *Scutellaria lateriflora*
✓ *Selaginella selaginoides*
✓ *Sium suave*

✓ *Smilacina trifolia* 1-2-3-4-5-7-18-
✓ *Smilax herbacea*
✓ *Solidago serotina*
✓ *Spiraea alba*
✓ *Spiraea tomentosa*
✓ *Steironema lanceolatum*
✓ *Symplocarpus foetidus*
✓ *Thalictrum dasycarpum*
✓ *Trientalis borealis* 3- -7-8-12-13-
✓ *Triglochin maritima* 15-17-20

✓ *Typha latifolia*
✓ *Vaccinium angustifolium*
✓ *Vaccinium macrocarpon*
✓ *Vaccinium oxycoccus* 2-6-9-16-19-20
✓ *Vaccinium pennsylvanicum*
✓ *Viburnum opulus*
✓ *Viola canadensis*
✓ *Viola pallens* 2-3-4-5-7-10
✓ *Vitis riparia* 11-12-13-15-18-

Additional species:

✓ *Carex di* 1-3-5-20-7-12-13-15-
✓ *Dry cris* 12-
✓ *Vacc myr* 6-9-15-19-16
✓ *Lan car*
✓ *Carex leptalea* 8-11-17-18-
✓ *Carex paup*
✓ *Equis flu* 10-11-
✓ *Oxalis mon* 9-11-12-15-
✓ *Aster mac*
✓ *Galium trifl* 10-
✓ *grass* 1-
✓ *Carex ^{interior}* 2-3-4-7-
✓ *Carex tri* 15-18-
✓ *Poa palustris*

~~*Carex ^{interior}*~~