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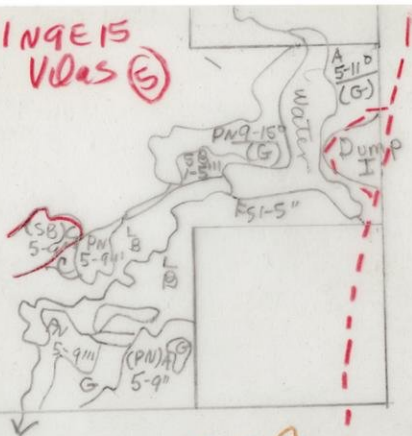
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41 N 9 E 15
Vilas (S)



#123

2G 37, 38

Plant Ecology Laboratory
Data Form 68

Station No. 5123

Tree	No. Pts.	No. Tr.	Size Cl. sq. in.			No. Dom.	F% Sap.	F% Seed	D% Tr.	Dom% Tr.	DFD Index	
			12-80	81-320	321+							
<i>Abies balsamea</i>	15	22				604		28	22	12	62	279
<i>Acer rubrum</i>												
<i>Acer spicatum</i>												
<i>Betula lutea</i>	2	3				53		4	3	1	8	60
<i>B. papyrifera</i>	1	1				20		2	1	0.5	4	20
<i>Carya cord.</i>												
<i>C. ovata</i>												
<i>Fraxinus nigra</i>	1	1				12		2	1	0.01	3	15
<i>Juglans cinerea</i>												
<i>Larix laricina</i>												
<i>Picea glauca</i>												
<i>P. mariana</i>	16	27				1712		30	27	34	91	182
<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>	19	46				2623		35	46	52	133	532
<i>Tilia americana</i>												
<i>Tsuga can.</i>												
<i>Ulmus americana</i>												
<i>U. rubra</i>												

Total tran.

Av. Tr. Dis. 12.6' Av. BA 502

No. Tr./Acre 317

1088

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 5127

Station No.

P 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Herbs

Therja

Picea mar

Alnus

Bet pap

Trax nig

Bet lat

14-6 19-0
7-0 13-6
7-0 25-0
9-0 29-0
2-0 8-0
19-0 2-0
14-6 8-0
6-0 16-0
6-0 3-0
13-6 4-0
4-0 19-0
6-0 8-6
9-6 17-0
13-0 12-6
21-6 7-6
13-0 0-6
4-0 21-0
9-6 24-0
5-0 9-6
9-0 4-0
20-0 20-0
5-0 4-0
15-0 15-0
11-0 3-0
26 5-0
9 16-0
23 16-0
9-6 12-6
6-0 10-6
7-0 22-0

tot list 684'
75
759'

900'
75.0

75
150
75
900

many Alnus sapling
a few Picea

D (5m)

TABULATION FORM

CONIFER SWAMP

Stand No. 5123

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>	✓																					-
<i>Amphicarpa bracteata</i>																						
<i>Anaphalis margaritacea</i>																						
<i>Andromeda glaucophylla</i>																						
<i>Anemone canadensis</i>																						
<i>Anemone riparia</i>																						
<i>Anemone virginiana</i>																						
<i>Angelica atropurpurea</i>																						
<i>Aralia hispida</i>																						
<i>Aralia nudicaulis</i>	✓	✓	✓	✓					✓		✓	✓		✓		✓	✓				✓	10
<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>																						
<i>Campanula aparinoides</i>																						
<i>Carex aquatilis</i>																						
<i>Carex arcta</i>																						
<i>Carex bebbii</i>																						
<i>Carex brunnescens</i>							✓								✓							2
<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]

TABULATION FORM

CONIFER SWAMP

Stand No. 5123

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

TABULATION FORM

CONIFER SWAMP

Stand No. 5123

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Hystrix patula</i>																							
<i>Ilex verticillata</i>																							
<i>Impatiens capensis</i>	✓																						1
<i>Iris versicolor</i>																							
<i>Iris virginica</i>																							
<i>Juncus canadensis</i>																							
<i>Juncus effusus</i>																							
<i>Juncus tenuis</i>																							
<i>Juniperus communis</i> var.																							
<i>Kalmia polifolia</i>																							
<i>Lactuca biennis</i>																							
<i>Lathyrus palustris</i>																							
<i>Ledum groenlandicum</i>	✓				✓	✓			✓		✓		✓				✓	✓	✓	✓	✓	✓	10
<i>Leersia oryzoides</i>																							
<i>Linnaea borealis</i>	✓		✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	14
<i>Liparis loeselii</i>																							
<i>Listera cordata</i>																							
<i>Lobelia siphilitica</i>																							
<i>Lonicera canadensis</i>	✓								✓														1
<i>Lonicera dioica</i>																							
<i>Lonicera oblongifolia</i>																							
<i>Lonicera villosa</i>																							
<i>Luzula acuminata</i>														✓									1
<i>Lycopodium annotinum</i>																							
<i>Lycopodium clavatum</i>																							
<i>Lycopodium lucidulum</i>	✓								✓								✓						2
<i>Lycopodium obscurum</i>																							
<i>Lycopus uniflorus</i>	✓																						-
<i>Lysimachia ciliata</i>																							
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>																							
<i>Maianthemum canadense</i>	✓	✓				✓				✓	✓		✓	✓	✓				✓				8
<i>Malaxis unifolia</i>																							
<i>Melampyrum lineare</i>																							
<i>Mentha trifoliata</i>																							
<i>Mimulus ringens</i>																							
<i>Mitchella repens</i>																							
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>	✓						✓																1
<i>Moneses uniflora</i>																							
<i>Monotropa hypopithys</i>																							
<i>Monotropa uniflora</i>																							
<i>Muhlenbergia mexicana</i>																							
<i>Muhlenbergia racemosa</i>																							
<i>Myrica gale</i>																							
<i>Nasturtium officinale</i>																							
<i>Nemopanthus mucronata</i>	✓																			✓			1
<i>Onoclea sensibilis</i>																							
<i>Osmunda cinnamomea</i>	✓			✓			✓										✓						3

TABULATION FORM

CONIFER SWAMP

Stand No. 5123

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>	✓			✓			✓							✓		✓	✓	✓					6
<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>																							
<i>Pyrus floribunda</i>																							
<i>Pyrus melanocarpa</i>																							
<i>Ranunculus abortivus</i>																							
<i>Ranunculus hispidus</i>																							
<i>Rhamnus alnifolia</i>																							
<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. 5123

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5123

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. (5n)

✓ *Abies balsamea* 1-
 ✓ *Acer rubrum* 2-
Acer spicatum
Betula lutea
 ✓ *Betula papyrifera*
Carya cordiformis
Fraxinus nigra

Juglans cinerea
Larix laricina
Picea glauca
 ✓ *Picea mariana* 1-
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*
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 ✓ *Aralia nudicaulis* 1-2-3-8-10-11-13-
Arceuthobium pusillum 15-16-20
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
Campanula aparinoides
Chamaedaphne calyculata
 ✓ *Chiogenes hispidula* 1-3-4-5-8-12-
Cicuta bulbifera 15-18-
Cicuta maculata
 ✓ *Circaea alpina* 13-
Cirsium muticum 15-16-17-18-20
 ✓ *Clintonia borealis* 3-4-7-9-9-12-13-
 ✓ *Coptis trifolia* 1-4-5-6-7-8-9-10-
Corallorrhiza trifida 11-12-13-14-15-
 ✓ *Cornus canadensis* 1-2-3-4-5-6-7-8-
Cornus obliqua 9-10-12-13-14-
Cornus stolonifera 15-16-17-18-
 ✓ *Cypripedium acaule* 4-
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
 ✓ *Dryopteris linneana* 3-5-7-8-9-10-
 11-12-13-17-19-

Dryopteris phegopteris
 ✓ *Dryopteris spinulosa* 4-5-8-9-10-14-
Dryopteris thelypteris 17-19-20
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
Goodyera repens
Habenaria clavellata
Habenaria dilatata
Habenaria hyperborea
Habenaria lacera
Habenaria leucophaea
Habenaria media
Habenaria obtusata
Habenaria pycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
 ✓ *Impatiens biflora*
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
 ✓ *Ledum groenlandicum* 4-5-8-10-12-16-
Leersia oryzoides 17-18-19-20
 ✓ *Linnaea borealis* 2-4-5-6-7-8-9-10-
Liparis loeselii 12-13-14-15-16-17-
Listera cordata 18-19-
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
 ✓ *Lycopus uniflorus*
Lysimachia terrestris
 ✓ *Maianthemum canadense* 1-5-9-10-12-13-
Malaxis unifolia 14-18-
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
 ✓ *Mitella nuda* 6-
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
 ✓ *Nemopanthus mucronata* 19-
Onoclea sensibilis
 ✓ *Osmunda cinnamomea* 3-6-15-
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
Ranunculus abortivus
Rhamnus alnifolia
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
 ✓ *Ribes triste*
Rorippa palustris
Rosa caroliniana
Rubus idaeus
Rubus triflorus 5-9-11-12-
Rhynchospora alba
Salix candida
Sarracenia purpurea

Velas

41N9815

5123

6-17-55

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

✓ Smilacina trifolia 1-2
Smilax herbacea
Solidago serotina
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
✓ Trientalis borealis 6-10-14-18-
Triglochin maritima

Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
✓ Viola pallens 4-6-9-13-19-20
Vitis riparia

D

Additional species:

✓ Equis fluv 13-
✓ Carex tri 2-3-4-5-7-8-10-11-12-13-14-15-16-17-18-19-20
✓ Vacc myrt 3-4-5-8-10-12-13-14-15-16-17-20
✓ Galium trifl 9-
✓ Dry cris 11-
✓ Streptophas 8-16-
✓ Oxalis mont 3-6-13-15-16-17-
✓ Lon can 7
✓ Lycop luc 8-15-
✓ Carex brunneus cens
✓ Carex 6-14
Luz 13
Carex disticha 17-
✓ Carex ~~sp 20~~ "intumescens"