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Ecology Form # 71

Stand # 86 - July 23

Location Burnett Co
41N15W20

% Gover 25

Larix Picea Thuja Pop.tr.Betula pap.

Distances

6.5 22.25, 5.5

6.5, 6, 9.25

10.25, 4.5, 8.5

165, 13.75, 12.

15, 18.5 7.5

10.25, 10.25, 7.5

5.5, 7.5, 8

16, 4.5, 12.75

4.5 4 7.5

6.5 5.5 4.5

3.25, 7.5, 3.25

11.25 13.75 10.75

11. 5.5 25.

8, 6.5.20-

10.25 8.25 10.

13.75 5.5 14.75

15.75, 5.5, 11.75

11.75, 20.5, 16.75

15.25, 13.25, 12.25

9, 13,25, 4,5

Sketch Map:

Big Bush

Web Lake

Plant Ecology Laboratory
Data Form 68

Station No. 5086

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	321-1000						
Abies balsamea											
Acer rubrum											
Acer spicatum											
Betula lutea											
B. papyrifera											
Carya cord.											
C. ovata											
Fraxinus nigra											
Juglans cinerea											
Larix laricina	12	22	22			694			32.4	22	34.1 88.5
Picea glauca											
P. mariana	20	72	72			1238			54.0	72	60.7 186.7 275
Pinus resinosa	5	6	6			104			13.5	6	5.1 24.6 50
P. strobus											
Pop. balsamifera											
P. grand.											
P. trem.											
Prunus serotina											
Pyrus americana											
Quercus bicolor											
Q. rubra											
Thuja occ.											
Tilia americana											
Tsuga can.											
Ulmus americana											
U. rubra											

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

37

2036

999

999

249.8

325

548.0

Lariza

100

48

consulted before the 9th. (Article 1) now leads to introduction

[illegible]

2

177

[Faint musical notation]

8

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

[illegible]

CONIFER SWAMP

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

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																						
Dryopteris disiuncta																						
Dryopteris phegopteris																						
Dryopteris spinulosa																						
Dryopteris thelypteris																						
Dulichium arundinaceum																						
Echinocystis lobata																						
Eleocharis smallii																						
Epigaea repens																						
Epilobium angustifolium																						
Epilobium glandulosum va																						
Epilobium strictum																						
Equisetum fluviatile																						
Equisetum scirpoides																						
Erigeron philadelphicus																						
Eriophorum angustifolium																						
Eriophorum spissum	✓	✓											✓				✓					2
Eriophorum tenellum																						
Eriophorum virginicum	✓	✓						✓														1
Eriophorum viridi-carina																						
Eupatorium maculatum																						
Eupatorium perfoliatum																						
Galium aparine																						
Galium boreale																						
Galium concinnum																						
Galium labradoricum																						
Galium trifidum																						
Galium triflorum																						
Galeopsis tetrahit																						
Gaultheria hispidula																						
Gaultheria procumbens																						
Gaylussacia baccata																						
Gentiana linearis																						
Geranium maculatum																						
Geum laciniatum																						
Geum rivale																						
Glyceria canadensis																						
Glyceria grandis																						
Glyceria striata																						
Goodyera repens																						
Habenaria clavellata																						
Habenaria dilatata																						
Habenaria hyperborea																						
Habenaria lacera																						
Habenaria leucophaea																						
Habenaria media																						
Habenaria obtusata																						
Habenaria psycodes																						
Halenia deflexa																						
Hydrocotyle americana																						
Hypericum virginicum																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

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>																							
<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>	✓	✓	✓	✓	✓		✓	✓		✓	✓				✓	✓	✓		✓			12	
<i>Lactuca biennis</i>																							
<i>Lathyrus palustris</i>																							
<i>Ledum groenlandicum</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	20	
<i>Leersia oryzoides</i>																							
<i>Linnaea borealis</i>																							
<i>Liparis loeselii</i>																							
<i>Listera cordata</i>																							
<i>Lobelia siphilitica</i>																							
<i>Lonicera canadensis</i>																							
<i>Lonicera dioica</i>																							
<i>Lonicera oblongifolia</i>																							
<i>Lonicera villosa</i>																							
<i>Luzula acuminata</i>																							
<i>Lycopodium annotinum</i>																							
<i>Lycopodium clavatum</i>																							
<i>Lycopodium lucidulum</i>																							
<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>																							
<i>Malaxis unifolia</i>																							
<i>Malmoxyrum lineare</i>																							
<i>Menyanthes trifoliata</i>																							
<i>Mimulus ringens</i>																							
<i>Mitchella repens</i>																							
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>																							
<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>																							
<i>Onoclea sensibilis</i>																							
<i>Osmunda cinnamomea</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

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

TABULATION FORM

CONIFER SWAMP

Stand No. 5086

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 86
July 23

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

Juglans cinerea
Larix laricina
Picea glauca
Picea mariana 11, 12
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 45, 12, 14, 15
Anemone canadensis 20
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
Campanula aparinoides
Chamaedaphne calyculata 1, 2, 3, 4, 5, 6, 8
Chiogenes hispidula 9, 10, 11, 12, 13
Cicuta bulbifera 14, 15, 17, 18, 19
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis
Coptis trifolia
Corallorrhiza trifida
Cornus canadensis
Cornus obliqua
Cornus stolonifera
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
Dryopteris thelypteris
Dulichium arundinaceum
Epigaea repens
Epilobium adenocaulon
Epilobium angustifolium
Epilobium densum
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum 7
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 psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
Impatiens biflora
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia 1, 2, 3, 4, 5, 6, 7, 9, 10, 14, 15, 19
Ledum groenlandicum 1, 2, 3, 4, 5, 6, 7, 8, 9
Leersia oryzoides 10, 11, 12, 13, 14, 15
Linnaea borealis 14, 17, 18, 19, 20
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
Maianthemum canadense
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
Mitella nuda
Moneses uniflora
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
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
Rhynchospora alba
Salix candida
Sarracenia purpurea

Data Form No. 22 (P.2)

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

~~Smilacina trifolia~~ 12, 34, 19, 20
Smilax herbacea
Solidago serotina
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
Trientalis borealis
Triglochin maritima

Typha latifolia
Vaccinium angustifolium 368, 26
Vaccinium macrocarpon 10, 15, 20
Vaccinium oxycoccus 134, 569, 10
Vaccinium pennsylvanicum 11, 13, 14
Viburnum opulus
Viola canadensis 15, 16, 17, 19
Viola pallens 20
Vitis riparia

Additional species:

Carex tri. spuma 1, 2, 17, 18, 19,
Eriophorum spicatum 13, 14,
Carex ~~oligosperma~~ 5, 6, 7, 11, 14, 15,
✓ Phragmites communis
n was 85
Najas 5, 9, 13, 16,
Monotropa -