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CONIFER SWAMP

Ecology Form # 71

Stand # 102 - July 31-54

Field Data Sheet - Trees

Rectox

Conduc.

Cat.Cap.

Location

pH

O2

36" Bore

Guard 5 - sand at 6"
Guard 10 - sand at 10"
Guard 15 - sand at 2'

Distances

Basal Area
Larix Picea Thuja Pop.tr. Betula pap.

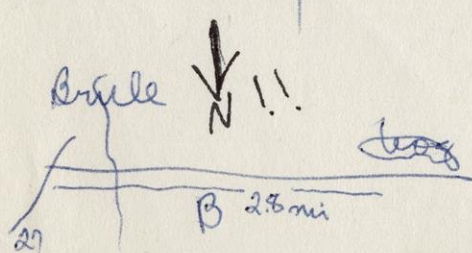
Abies

very few saplings
obvious deer path

Douglas
47°N 100°W 32

	6.5	7.5	8				5.5, 9.5, 4.75
	6	8					4, 5.25, 8,
	6.5	8					10.5, 3.25, 11.5
4	6.5	6.5	4				13.25, 1.75, 27,
	8	5.5					1, 7.25, 9
	4	5.5					5, 5.75, 11.5
	4.5	6.5					2.75, 3.25, 5.75
	5.5	6	6				3, 5.75, 12.75
	6	7.5					6.5, 9.25, 5.75,
	5.5	7.5	7				7.25, 17.5, 5,
	5	5.5					4.25, 25, 4.5
	5.5	6	4.5				20, 10.5, 1,
4	4	7					16.5, 2.5, 3
6.5	4				4.5		8.5, 8.75, 19,
	6.5	5	7.5				6.75, 11.5, 10.5,
	4.5	7					1.5, 13.5, 2.5
4.5	6.5	5					16.75, 9.75, 4.5
	7	7.5					16.25, 1.5, 5.5
5	5	6.5					6.5, 7.25, 11.5,
	5.5	7.5					8, 6.5, 11,
6	6.5	6					
	7	8					
	6.5	4	5.5				
	4.5	6					
	7	4.5	4				
	6.5	6					
	5.5	6.5	6.5				
	4	4					
4	4.5	4.5					
	4	6.5					
6	5.5	7.5					
4.5	6.5						
4	4.5	4					
7	6.5						
4.5	5	6.5					
	6	7.5					
TOTALS	7.5	8					
	7	7.5					

Sketch Map:



Plant Ecology Laboratory
Data Form 68

Station No. 5102

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	12-80	81-320	321+	Dom.	Sap.	Seed	Tr.	Tr.	Index		
Abies balsamea	1	1	1			16			3.2	1	0.5	4.7	20 21-15
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	10	15	15			340			32.2	15	11.6	58.8	58.8
Picea glauca													
P. mariana	20	84	84			2584			64.5	84	87.9	236.4	295
Pinus resinosa													472.8
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

31

2940

49.9

100

100

269.9

315

552.75

TABULATION FORM

CONIFER SWAMP

Stand No. 5102

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>																						
<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>	✓							✓		✓												2
<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>																						
<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>																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5102

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Carex diandra																						
Carex disperma																						
Carex flava																						
Carex granularis var. ha																						
Carex hystericina																						
Carex interior																						
Carex intumescens																						
Carex lacustris																						
Carex lasiocarpa																			✓			1
Carex leptalea																						
Carex leptoneuria																						
Carex limosa																						
Carex oligosperma																						
Carex pauciflora																						
Carex paupercula																						
Carex pedunculata																						
Carex projecta																						
Carex pseudo-cyperus																						
Carex retrorsa																						
Carex scoparia																						
Carex sterilis																						
Carex stipata																						
Carex stricta																						
Carex tenuiflora																						
Carex trisperma	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	18
Carex tuckermani																						
Chamaedaphne calyculata	✓										✓					✓						2
Chelone glabra																						
Cicuta bulbifera																						
Cicuta muculata																						
Cinna latifolia																						
Circaea alpina																						
Cirsium muticum																						
Clintonia borealis	✓						✓															1
Coptis groenlandica	✓						✓															1
Coralorrhiza trifida																						
Cornus alternifolia																						
Cornus canadensis	✓					✓																1
Cornus obliqua																						
Cornus racemosa																						
Cornus stolonifera																						
Cypripedium acaule																						
Cypripedium arietinum																						
Cypripedium calceolus																						
Cypripedium c var. pub																						
Cypripedium reginae																						
Cystopteris fragilis																						
Diervilla lonicera																						
Drosera intermedia																						
Drosera linearis																						
Drosera rotundifolia																						

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5102

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5102

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>																							
<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 v</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 var. h</i>																							
<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>		✓				✓																	1
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>		✓			✓	✓		✓		✓													4
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>		✓	✓	✓	✓		✓		✓														5
<i>Vaccinium oxycoccos</i>		✓																	✓				1

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 102-
July 31-54

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

Juglans cinerea
 ✓ *Larix laricina*
Picea glauca
 ✓ *Picea mariana* 99
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
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* 29,
Calla palustris
Calopogon pulchellus
Caltha palustris
Campanula aparinoides
 ✓ *Chamaedaphne calyculata* 10, 15,
 ✓ *Chiogenes hispidula* 4, 12,
Cicuta bulbifera
Cicuta maculata
Circaea alpina
Cirsium muticum
 ✓ *Clintonia borealis* 6,
 ✓ *Coptis trifolia* 6,
Corallorrhiza trifida
 ✓ *Cornus canadensis* 7,
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
Eriophorum viridi-carinatum
Eupatorium perfoliatum
Eupatorium maculatum
Galium aparine
Galium concinnum
Galium labradoricum
Galium trifidum
 ✓ *Gaultheria procumbens* 4, 5, 9,
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 15, 18,
 ✓ *Ledum groenlandicum* 1, 2, 8, 10, 11, 12, 15, 18,
Leersia oryzoides
Linnaea borealis
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
 ✓ *Lycopus uniflorus*
Lysimachia terrestris
 ✓ *Maianthemum canadense* 1,
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
Mitella nuda
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
 ✓ *Nemophanthus mucronata*
Onoclea sensibilis
 ✓ *Osmunda cinnamomea* 6,
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
Rynchospora alba
Salix candida
Sarracenia purpurea

102- July 31-54

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

Smilacina trifolia 3, 11, 12, 15, 16, 17, 20
Smilax herbacea
Solidago serotina
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
Trientalis borealis 5,
Triglochin maritima

Typha latifolia
Vaccinium angustifolium 34, 57
Vaccinium macrocarpon
Vaccinium oxycoccus 18
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
Viola pallens
Vitis riparia

Additional species:

Vaccinium myrt. 1, 2, 3, 5, 7,
Carex tri-sperma 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20
Sphagnum 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Monotropa
Equisetum ?
Carex lasiocarp.
Juncus sp.