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Site 5105: Bayfield County, Township 43N, Range 5W, Section 27. 1954-08-01

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running stream

CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 105-Aug-54

Redox

Conduc.

Cat.Cap.

Location 43 Bayfield SW 27

Reprod. nil except
small abies in spots

pH

02

36" Bore

% Cover 84%

Basal Area

Larix

Picea

Thuja

Pop.tr

Betula

pop.

Abies

Juniper

Distances

	Larix	Picea	Thuja	Pop.tr	Betula	pop.	Abies	Juniper	Distances
			17				6.5 4.5 7.5 7		7.5, 13.5, 12.5
130			50		130		7	75	7.5, 13.5, 12.5
			6.5						13.2, 9.25
			7	85					15, 9.25, 15.5
			6	50					9.5, 8.25, 6.5
			55	85			6.5 4.5 8	6.5	4.75, 3.75, 8.25
			45	5.5			6		5.25, 2.75, 15.5
			4	7					6, 11.5, 8.75
			45		100		4		6.25, 11, 8.25
					110	95	6.5 4 4.5 4 4	45	4.75, 1.75, 5.25
			7						8, 6, 8.25
			6				5.5 4.5 5	40	8, 7.5, 13
			6.5				6.5 4 6.5	4	5.25, 3.7, 15
			7		100		4		4.75, 4.5, 10.5
			6.5				6.5 7.5 8		8, 5, 13.5
					410		4.5 7 5		7.25, 6.5, 5
			45				5 4		9, 12.5, 8.5
			6	8					16.5, 10.75, 8
			7.5	8					14.25, 9.5, 3.75
			115	55				170	7, 11.5, 13.5
			90	90					
			8		170		8	65	
			8				8	140	
			140					140	
			65					60	
			8	80			45	55	
			7.5						
			90				50		
5			75				55		
			5				7		
6			8				4.5		
			6.5				7 5 7.5 4.5		
TOTALS									

Sketch Map:

Plant Ecology Laboratory
Data Form 68

Station No. 5105

hawa 48

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+								
Abies balsamea	17	41	41			1311		34.7	41	23.8	99.5	400	447.75
Acer rubrum													
Acer spicatum													
Betula lutea	7	9	1	7	1	1337		14.3	9	24.3	47.6	336	357.00
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	2	2				48		4.1	2	0.9	7.0	7	7.0
Picea glauca													
P. mariana												7	
Pinus resinosa													
P. strobus													
Pop. balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	18	41	35	6		2128		36.7	41	38.7	116.4	464	465.6
Tilia americana													
Tsuga can.	5	7	5	2		677		10.2	7	12.3	29.5	120	250.75
Ulmus americana													
U. rubra													

Total tran. 49

Av. Tr. Dis. 9

Av. BA 5501

No. Tr./Acre 100 100 100 300

1327

1528.10

TABULATION FORM

CONIFER SWAMP

Stand No. 5105

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<i>Juncus sp</i>	✓																					
<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 var.</i>																						
<i>Kalmia polifolia</i>																						
<i>Lactuca biennis</i>																						
<i>Lathyrus palustris</i>																						
<i>Ledum groenlandicum</i>	✓						✓	✓														2
<i>Leersia oryzoides</i>																						
<i>Linnaea borealis</i>	✓	✓			✓	✓					✓	✓	✓	✓	✓	✓			✓	✓		11
<i>Liparis loeselii</i>																						
<i>Listera cordata</i>																						
<i>Lobelia siphilitica</i>																						
<i>Lonicera canadensis</i>	✓						✓												✓			2
<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>	✓						✓															1
<i>Lysimachia ciliata</i>																						
<i>Lysimachia hybrida</i>																						
<i>Lysimachia quadriflora</i>																						
<i>Lysimachia terrestris</i>																						
<i>Lysimachia thysiflora</i>																						
<i>Maianthemum canadense</i>	✓	✓				✓					✓			✓	✓					✓		6
<i>Malaxis unifolia</i>																						
<i>Melampyrum lineare</i>																						
<i>Menyanthes trifoliata</i>																						
<i>Mimulus ringens</i>																						
<i>Mitchella repens</i>																						
<i>Mitella diphylla</i>																						
<i>Mitella nuda</i>	✓	✓	✓											✓		✓		✓	✓			6
<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>Nemophanthus mucronata</i>																						
<i>Onoclea sensibilis</i>																						
<i>Osmunda cinnamomea</i>	✓																			✓		1

TABULATION FORM

CONIFER SWAMP

Stand No. 5105

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Viburnum acerifolium</i>																							
<i>Viburnum lentago</i>																							
<i>Viburnum trilobum</i>																							
<i>Viola canadensis</i>																							
<i>Viola cucullata</i>																							
<i>Viola pallens</i>		✓	✓		✓		✓	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	13
<i>Viola renifolia</i>																							
<i>Vitis riparia</i>																							
<i>Xanthoxylum americanum</i>		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				✓		✓			11
<i>Asplen</i>		✓	✓		✓	✓	✓	✓	✓	✓	✓		✓					✓		✓			11

PRESENCE LIST

CONIFER BOG

Stand No. 105-

Aug 1-54

- ✓ *Abies balsamea* 17, 18, 23, 67, 9, 10, 11, 12, 13, 15
 ✓ *Acer rubrum*
 ✓ *Acer spicatum* 2, 4, 5, 6, 7, 11, 14, 15, 18
 ✓ *Betula lutea* 11, 13, 15, 19
 ✓ *Betula papyrifera*
 ✓ *Carya cordiformis*
 ✓ *Fraxinus nigra* 1, 4, 6, 14, 16, 17, 19

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

- ✓ *Prunus serotina*
 ✓ *Quercus bicolor*
 ✓ *Quercus rubra*
 ✓ *Sorbus americana*
 ✓ *Thuja occidentalis* 6, 13
 ✓ *Tsuga canadensis*
 ✓ *Ulmus americana*

HERBS AND SHRUBS

- ✓ *Alnus incana*
 ✓ *Alnus rugosa* 5, 9, 12, 15, 17, 18
 ✓ *Andromeda glaucophylla*
 ✓ *Anemone canadensis*
 ✓ *Aralia hispida*
 ✓ *Aralia nudicaulis* 7, 6, 9, 14, 15, 16, 17
 ✓ *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*
 ✓ *Chiogenes hispidula* 6, 10, 13
 ✓ *Cicuta bulbifera*
 ✓ *Cicuta maculata*
 ✓ *Circaea alpina* 16, 17, 20
 ✓ *Cirsium muticum* 13, 14, 16, 17, 18, 19, 20
 ✓ *Clintonia borealis* 2, 3, 5, 6, 8, 9, 10, 11, 12
 20 ✓ *Coptis trifolia* 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12
 ✓ *Corallorrhiza trifida* 13, 15, 16, 17, 18, 19
 ✓ *Cornus canadensis* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
 ✓ *Cornus obliqua* 12, 13, 14
 ✓ *Cornus stolonifera* 15, 16, 17, 18, 19, 20
 ✓ *Cypripedium acaule*
 ✓ *Cypripedium arietinum*
 ✓ *Cypripedium parviflorum*
 ✓ *Cypripedium pubescens*
 ✓ *Cypripedium reginae*
 ✓ *Decodon verticillatus*
 ✓ *Diervilla lonicera*
 ✓ *Drosera intermedia*
 ✓ *Drosera longifolia*
 ✓ *Drosera rotundifolia*
 ✓ *Dryopteris linneana* 7, 9, 10
 ✓ *Dryopteris* *divaricata*

- ✓ *Dryopteris phegopteris* 12, 15, 16, 20
 ✓ *Dryopteris spinulosa* 15, 17
 ✓ *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*
 ✓ *Gaylussacia baccata*
 ✓ *Gentiana linearis*
 ✓ *Geum rivale*
 ✓ *Glyceria striata*
 ✓ *Goodyera repens* 11
 ✓ *Habenaria clavellata*
 ✓ *Habenaria dilatata*
 ✓ *Habenaria hyperborea*
 ✓ *Habenaria lacera*
 ✓ *Habenaria leucophaea*
 ✓ *Habenaria media*
 ✓ *Habenaria obtusata* 5
 ✓ *Habenaria psycodes*
 ✓ *Halenia deflexa*
 ✓ *Helenium autumnale*
 ✓ *Hypericum virginicum*
 ✓ *Ilex verticillata*
 ✓ *Impatiens biflora*
 ✓ *Iris versicolor* sp
 ✓ *Iris virginica*
 ✓ *Juncus tenuis*
 ✓ *Kalmia polifolia*
 ✓ *Ledum groenlandicum* 6, 7
 ✓ *Leersia oryzoides*
 ✓ *Linnaea borealis* 2, 5, 6, 10, 11, 12, 13, 14, 15
 ✓ *Liparis loeselii* 18, 19
 ✓ *Listera cordata*
 ✓ *Lobelia kalmii*
 ✓ *Lobelia siphilitica*

- ✓ *Lonicera caerulea*
 ✓ *Lonicera oblongifolia*
 ✓ *Lycopus uniflorus* 6
 ✓ *Lysimachia terrestris*
 ✓ *Maianthemum canadense* 2, 6, 11, 14, 15, 20
 ✓ *Malaxis unifolia*
 ✓ *Menyanthes trifoliata*
 ✓ *Mimulus ringens*
 ✓ *Mitchella repens*
 ✓ *Mitella nuda* 12, 13, 16, 18, 19
 ✓ *Moneses uniflora*
 ✓ *Muhlenbergia mexicana*
 ✓ *Muhlenbergia racemosa*
 ✓ *Myrica gale*
 ✓ *Nemopanthus mucronata*
 ✓ *Onoclea sensibilis*
 ✓ *Osmunda cinnamomea* 19
 ✓ *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* 3, 5, 8, 17
 ✓ *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* 1, 3, 4, 7, 8, 9, 10, 11, 16, 17
 ✓ *Rynchospora alba* 19
 ✓ *Salix candida*
 ✓ *Sarracenia purpurea*

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

Smilacina trifolia⁴
 Smilax herbacea
 Solidago serotina
 Spiraea alba
 Spiraea tomentosa
 Steironema lanceolatum
 Symplocarpus foetidus
 Thalictrum dasycarpum
 Trientalis borealis^{1,2,5,6,7,11,13,15,17}
 Triglochin maritima

105 - Aug 1 - 5r
 Typha latifolia
 Vaccinium angustifolium
 Vaccinium macrocarpon
 Vaccinium oxycoccus
 Vaccinium pennsylvanicum
 Viburnum opulus
 Viola canadensis
 Viola pallens^{1,3,5,6,10,11,13,14,15}
 Vitis riparia^{16,17,18,19}

Additional species:

~~Steironema streptopus~~
 Aster macro-phyllus
 Carex tri-sperma^{1,2,3,4,5,6,7,8,9,11,12,13,14,15,16,17,19,20}
 Lonicera canadensis^{6,18}
 Carex ~~genuina~~^{genuiniscans}^{14,17}
 Dryopteris Crist.
 Equisetum flex.
 Cinna
 Oxalis mont^{1,2,3,5,6,11,13,14,16,17,18,19,20}
 Galium triflorum^{2,3,4,17,19,20}
 Galit sp.
 Sphagnum^{1,3,4,5,6,7,8,9,12,17,19}
 Monstropus unifl
 Carex ~~puberula~~^{puberula}^{2,14,15,16,19,20}
 Epilobium glandulosum³
 Carex diaphana^{8,10}
 Polygonum sag⁸
 Carex ~~puberula~~^{puberula}¹⁰
 Thalictrum sp.