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Site 5096: Washburn County, Township 41N, Range 10W, Section 27. 1954-07-28

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CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 96 - July 28-54

Redox.

Conduc.

Cat.Cap.

Location

Washburn
41 N 10 W 27

02

36" Bore

% Cover - 80%

Basal Area

Larix Picea Thuja Pop.tr. Betula pap.

Distances

Very few saplings
some Thuja & Abies
Needle in sunning
areas

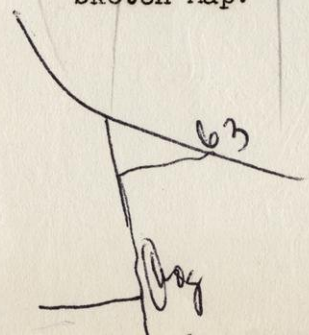
Pinus Strobus

7 5 5.5
6

					Abies 4 4.5	
					5.5	3.25, 4.5, 7
					4	3.5, 3.75, 2.25
					5.5	6.5, 7, 7.5
					4	7, 2.5, 18
						9, 2.5, 10.5
						5.75, 4.25, 7.5
						7, 6.5, 6
						8.25, 2, 12.25
						3.5, 3.75, 4.25
						9.25, 11.5, 13.75
						6.5, 14.5, 8.25
						7.5, 8.25, 5.5
						6.5, 5.5, 10
						3.75, 7.5, 18.5
						11.5, 6.5, 5.75
						10.25, 3.75, 8.5
						1.5, 2.25, 10.5
						6.5, 1.5, 3.75
						4.5, 8, 12
						15, 7.5, 9.25

TOTALS

Sketch Map:



Plant Ecology Laboratory
Data Form 68

Station No. 5096

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD	
	Pts.	Tr.	80	81-	321+	Dom.	Sap.	Seed	Tr.	Tr.	Index	
Abies balsamea	17	42	42			764			36.9	42	32.5	111.4 444 501.3
Acer rubrum												
Acer spicatum												
Betula lutea												
B. papyrifera												
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina	2	2	2			28			4.3	2	1.2	7.5 8 7.5
Picea glauca												43.4 71.8
P. mariana	7	10	10			252			15.2	10	10.7	35.9 43 71.8
Pinus resinosa												
P. strobus	1	4	4			110			2.2	4	4.7	10.9 22 43.6
Pop. balsamifera												
P. grand.												
P. trem.												
Prunus serotina												
Pyrus americana												
Quercus bicolor												
Q. rubra												
Thuja occ.	19	42	42			1195			41.3	42	50.9	134.2 536 536
Tilia americana												
Tsuga can.												
Ulmus americana												
U. rubra												

Total tran. 46

Av. Tr. Dis. 2349

Av. BA

No. Tr./Acre 999 100 100 2000

7.17

847

1160.2

TABULATION FORM

CONIFER SWAMP

Stand No. 5096

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5096

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	✓					✓	✓		✓		✓										4
Carex flava																					
Carex granularis var. ha																					
Carex hystericina																					
Carex interior																					
Carex intumescens	✓																				
Carex lacustris																					
Carex lasiocarpa																					
Carex leptalea	✓	✓	✓				✓				✓	✓		✓	✓	✓		✓	✓	✓	✓
Carex leptonervia																					
Carex limosa																					
Carex oligosperma																					
Carex pauciflora																					
Carex pauperula	✓																				
Carex pedunculata																					
Carex projecta	✓																				
Carex pseudo-cyperus																					
Carex retrorsa																					
Carex scoparia																					
Carex sterilis																					
Carex stipata																					
Carex stricta																					
Carex tenuiflora																					
Carex trisperma	✓	✓		✓	✓	✓	✓	✓	✓				✓			✓					9
Carex tuckermani																					
Chamaedaphne calyculata																					
Chelone glabra																					
Cicuta bulbifera																					
Cicuta muculata																					
Cinna latifolia	✓																				
Circaea alpine																					
Cirsium muticum	✓															✓					1
Clintonia borealis	✓			✓			✓	✓	✓	✓	✓	✓				✓	✓		✓		10
Coptis groenlandica	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	18
Corallorrhiza trifida																					
Cornus alternifolia																					
Cornus canadensis	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓		✓	✓	✓	✓	✓	

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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 disjuncta	✓	✓				✓										✓	✓	✓	✓		✓	7
Dryopteris phegopteris																						
Dryopteris spinulosa	✓	✓																				1
Dryopteris thelypteris	✓																					
Dulichium arundinaceum																						
Echinocystis lobata																						
Eleocharis smallii																						
Epigaea repens																						
Epilobium angustifolium																						
Epilobium glandulosum va																						
Epilobium strictum																						
Equisetum fluviatile	✓					✓	✓	✓	✓		✓											
Equisetum scirpoides	✓					✓	✓	✓	✓		✓											5
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	18
Gaultheria procumbens	✓					✓				✓			✓	✓								4
Gaylussacia baccata																						
Gentiana linearis																						
Geranium maculatum																						
Geum laciniatum																						
Geum rivale																						
Glyceria canadensis																						
Glyceria grandis																						
Glyceria striata	✓																					
Goodyera repens	✓	✓																				1
Habenaria clavellata																						
Habenaria dilatata																						
Habenaria hyperborea	✓																					
Habenaria lacera																						
Habenaria leucophaea																						
Habenaria media																						
Habenaria obtusata	✓				✓									✓					✓	✓	✓	4
Habenaria psycodes																						
Halenia deflexa																						
Hydrocotyle americana																						
Hypericum virginicum																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5096

[illegible]

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>																					
<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>	✓					✓		✓						✓	✓						4
<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>	✓					✓															1
<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>	✓	✓				✓	✓	✓										✓		✓	6
<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>	✓															✓			✓		2
<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. 5096

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Salix sp.</i>	✓																						
<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 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>								✓	✓		✓	✓	✓			✓						6	
<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>											✓	✓	✓	✓	✓			✓				6	
<i>Symplocarpus foetidus</i>																							
<i>Taxus canadensis</i>																							
<i>Thalictrum dasycarpum</i>	✓																						
<i>Trientalis borealis</i>	✓		✓	✓	✓	✓	✓				✓				✓		✓	✓	✓	✓	✓	12	
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>	✓			✓										✓	✓	✓		✓				5	
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>								✓	✓	✓	✓		✓		✓	✓						7	
<i>Vaccinium oxycoccos</i>	✓													✓				✓				2	

TABULATION FORM

CONIFER SWAMP

Stand No. 5096

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 96-

Abies balsamea 16, 20, 1, 2, 3, 4, 5, 7, 8, 9, 13, 14, 15
 Acer rubrum seedling 4, 9, 14
 Acer spicatum
 Betula lutea
 Betula papyrifera seedling
 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 7, 9, 10, 11, 15
 Tsuga canadensis
 Ulmus americana

HERBS AND SHRUBS

Alnus incana
 Alnus rugosa 13
 Andromeda glaucophylla
 Anemone canadensis
 Aralia hispida
 Aralia nudicaulis 2, 3, 7, 16, 17, 18, 19
 Arceuthobium pusillum 20
 Arctostaphylos uva-ursi
 Arethusa bulbosa
 Arisaema atrorubens
 Asclepias incarnata
 Aster lateriflorus
 Aster novae-angliae
 Aster umbellatus

Dryopteris phegopteris
 Dryopteris spinulosa 1
 Dryopteris thelypteris
 Dulichium arundinaceum
 Epigaea repens
 Epilobium adenocaulon
 Epilobium angustifolium
 Epilobium densum
 Equisetum scirpoides 5, 6, 7, 8, 10
 Eriophorum angustifolium
 Eriophorum virginicum
 Eriophorum viridi-carinatum
 Eupatorium perfoliatum
 Eupatorium maculatum
 Galium aparine
 Galium concinnum
 Galium labradoricum
 Galium trifidum
 Gaultheria procumbens 6, 9, 12, 13
 Gaylussacia baccata
 Gentiana linearis
 Geum rivale
 Glyceria striata
 Goodyera repens 1
 Habenaria clavellata
 Habenaria dilatata
 Habenaria hyperborea
 Habenaria lacera
 Habenaria leucophaea
 Habenaria media
 Habenaria obtusata 4, 13, 19, 20
 Habenaria psycodes
 Halenia deflexa
 Helenium autumnale
 Hypericum virginicum
 Ilex verticillata
 Impatiens biflora
 Iris versicolor
 Iris virginica
 Juncus tenuis
 Kalmia polifolia
 Ledum groenlandicum 6, 9, 10, 12, 13, 14, 16
 Leersia oryzoides
 Linnaea borealis 12, 45, 6, 7, 8, 10, 11, 12, 13
 Liparis loeselii 14, 17, 19
 Listera cordata
 Lobelia kalmii
 Lobelia siphilitica

Lonicera caerulea
 Lonicera oblongifolia
 Lycopodium uniflorum
 Lysimachia terrestris
 Maianthemum canadense 13, 4, 7, 9, 11, 12, 14
 Malaxis unifolia 15, 16, 17, 18, 19
 Menyanthes trifoliata
 Mimulus ringens
 Mitchellia repens
 Mitella nuda 1, 2, 4, 5, 6, 7, 8, 10, 13, 14, 15, 17
 Moneses uniflora 12, 20
 Muhlenbergia mexicana
 Muhlenbergia racemosa
 Myrica gale
 Nemopanthus mucronata 9, 20
 Onoclea sensibilis
 Osmunda cinnamomea 15, 19
 Osmunda regalis
 Parnassia caroliniana
 Parthenocissus vitacea
 Pedicularis lanceolata
 Phalaris arundinacea
 Physocarpus opulifolius
 Poa palustris
 Pogonia ophioglossoides
 Polygala pauciflora 5, 7, 13, 14
 Potentilla palustris
 Prenanthes alba 5
 Pyrola asarifolia
 Pyrola elliptica
 Pyrola rotundifolia
 Pyrola secunda 15, 6, 7, 18, 20
 Ranunculus abortivus
 Rhamnus alnifolia 15
 Rhus radicans 15, 19
 Rhus vernix
 Ribes americanum
 Ribes cynosbati
 Ribes hirtellum
 Ribes lacustre
 Ribes triste
 Rorippa palustris
 Rosa caroliniana
 Rubus idaeus
 Rubus triflorus 17, 18, 25, 6, 7, 8, 11, 13, 14, 15, 16
 Rynchospora alba
 Salix candida
 Sarracenia purpurea

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

Smilacina trifolia 7, 8, 10, 11, 12, 15
 Smilax herbacea
 Solidago serotina
 Spiraea alba
 Spiraea tomentosa
 Steironema lanceolatum
 Symplocarpus foetidus
 Thalictrum dasycarpum
 Trientalis borealis 2, 3, 4, 5, 6, 11, 14, 16,
 Triglochin maritima 17, 18, 19, 20,

Typha latifolia
 Vaccinium angustifolium 12, 13, 14
 Vaccinium macrocarpon
 Vaccinium oxycoccus 12, 17,
 Vaccinium pennsylvanicum
 Viburnum opulus
 Viola canadensis
 Viola pallens 1, 2, 3, 10, 11, 14, 19,
 Vitis riparia 1, 2, 3, 10, 11, 14, 19,

Additional species:

✓ Aster macro-phyllus 2, 14, 15, 17,
 ✓ Lobelia 1, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20,
 ✓ Equisetum flex.
 Dryopteris eris
 ✓ Ionicera canadensis 5, 10,
 ✓ Carex - large
 ✓ Carex - di - sperma 5, 6, 8, 10,
 ✓ Cornus vulgaris
 ✓ Galium triflorum 5, 10,
 ✓ Carex sp. retumescens
 ✓ Carex tri-sperma 1, 3, 4, 5, 6, 7, 8, 12, 15
 ✓ Guzula 1, 2, 5, 10, 13, 14, 20,
 ✓ Actia sp.
 ✓ Solidago sp.
 ✓ ~~Artemisia~~
 ✓ Carex pauciflora
 ✓ Lonicera poly gonatum (tree) 1
 ✓ Carex - ~~sp.~~ 1, 2, 6, 10, 11, 13, 14, 15, 17, 18, 19, 20.
 ✓ Vac myr 7, 8, 9, 10, 12, 14, 15,
 ✓ ~~Staph.~~
 ✓ ~~Staph.~~ 9, 10, 11, 12, 13, 17,
 ✓ ~~Staph.~~

Monotropa (Stub. pipe)

✓ Cirina lat

✓ Carex prostrata

✓ Cerintha