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Site 5093: Sawyer County, Township 38N, Range 7W, Section 1. 1954-07-27

[s.l.]: [s.n.], 1954-07-27

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Some young Larix - Birch

CONIFER SWAMP

Ecology Form # 71

Stand # 93 July 27-54

Redox.

Conduc.

Cat.Cap.

Location 38 N 7 W 1 Sawyer Co.

pH

O2

36" Bore

% Cover 25

Basal Area

Larix Picea Thuja Pop.tr. Betula pap. white pine

Distances

7.5	4					1.5, 19, 22,
7	7	6.5				10.75, 13.5, 3.5
6	6.5	4				3.5, 6.5, 13.5,
6.5	6					9.25, 9.5, 2
9	4	6				14.75, 14, 3.25
6	5					9, 10.5, 4.5
(70)	6.5	6.5				4, 18, 11.75,
6	6					11.25, 10.5, 2.5,
5.5	4	5.5			(60)	12.5, 16.5, 1.5
4.5	4.5					12.25, 7, 6
5.5	4		5			5.5, 4.75, 8.25
5	4					15, 10.75, 5.5
5	4	4.5				20.5, 3.25, 4
4.5	6					5.5, 10.5, 4
7.5	5	5.5				6, 12, 16.25,
7	6					15, 4.5, 5
6.5	5.5	4				9, 11.75, 16.5
6	5					5.5, 5.5, 6, 7.5
5	5	4.5				23.5, 6.5, 8,
6	6					7.5, 6, 1.5
5	4.5	5.5				
4	4					
6.5	4.5					
7	6					
5	6					
6.5	4	5				
	4.5	6				
6.5	4.5					
6.5	4.5	4.5				
6	5.5					
5.5	4					
8	6	4.5				
	5.5					
5	7	4				
	4.5	4				
	5	6				
	5	1.5				
7.5	7.5	4.5				
TOTALS	65					

Sketch Map:

new tree
cut tree

loop

Plant Ecology Laboratory
Data Form 68

Station No. 5093 hwy 4

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	80	320	3214	Dom.	Sap.	Seed	Seed	Tr.	Tr.	Tr.	Index
Abies balsamea													
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera	1	1	1			20			2.4	1	0.8	4.2	24 21.0
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	19	46	46			1416			45.2	46	54.2	145.4	145.4
Picea glauca													
P. mariana	19	50	50			1050			45.2	50	40.2	135.4	281 280.8 270.8
Pinus resinosa													
P. strobus	3	3	3			127			7.1	3	4.9	15.0	30 60.0
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. 42 Av. Tr. Dis. 2613 Av. BA 999 No. Tr./Acre 1001 300 335 497.2

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Picea

4	12
5	16
6	20
7	24
8	28
9	32
10	36
11	40
12	44
13	48
14	52
15	56
16	60
17	64
18	68
19	72
20	76
21	80
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23	88
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27	104
28	108
29	112
30	116
31	120
32	124
33	128
34	132
35	136
36	140
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39	152
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81	320
82	324
83	328
84	332
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86	340
87	344
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91	360
92	364
93	368
94	372
95	376
96	380
97	384
98	388
99	392
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Box pap

5	20
6	24
7	28
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[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5093

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																						
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	✓	✓	✓	✓	✓	✓		✓					✓		✓					✓		9
Carex tuckermani																						
Chamaedaphne calyculata	✓			✓			✓	✓		✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	13
Chelone glabra																						
Cicuta bulbifera																						
Cicuta muculata																						
Cinna latifolia																						
Circaea alpine																						
Cirsium muticum																						
Clintonia borealis	✓	✓																				
Coptis groenlandica	✓				✓															✓		2
Coralorrhiza trifida																						
Cornus alternifolia																						
Cornus canadensis	✓	✓						✓	✓						✓					✓		5
Cornus obliqua																						
Cornus racemosa																						
Cornus stolonifera																						
Cypripedium acaule	✓	✓	✓		✓																✓	3
Cypripedium arietinum																						
Cypripedium calceolus																						
Cypripedium c var. pub																						
Cypripedium reginae																						
Cystopteris fragilis																						
Diervilla lonicera																						
Drosera intermedia																						
Drosera linearis																						
Drosera rotundifolia																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5093

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5093

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>	✓												✓			✓				✓			3
<i>Lactuca biennis</i>																							
<i>Lathyrus palustris</i>																							
<i>Ledum groenlandicum</i>	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		19
<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>	✓				✓												✓	✓			✓		4
<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>																							
<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>	✓												✓							✓			2
<i>Onoclea sensibilis</i>																							
<i>Osmunda cinnamomea</i>	✓				✓										✓					✓			3

TABULATION FORM

CONIFER SWAMP

Stand No. 5093

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TABULATION FORM

CONIFER SWAMP

Stand No. 5093

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5093

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PRESENCE LIST

CONIFER BOG

Stand No. 93

July 27-54

Abies balsamea
 Acer rubrum - seedling
 Acer spicatum
 Betula lutea 3, 11
 Betula papyrifera 1, 8
 Carya cordiformis 1, 8
 Fraxinus nigra

Juglans cinerea
 Larix laricina
 Picea glauca
 Picea mariana 18
 Pinus resinosa
 Pinus strobus - seedlings present
 Populus tremuloides

Prunus serotina
 Quercus bicolor
 Quercus rubra
 Sorbus americana
 Thuja occidentalis
 Tsuga canadensis seedling
 Ulmus americana

HERBS AND SHRUBS

Alnus incana
 Alnus rugosa
 Andromeda glaucophylla
 Anemone canadensis
 Aralia hispida
 Aralia nudicaulis 19
 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 15, 16, 17, 18, 19
 Chamaedaphne calyculata 36, 37, 39, 10, 11, 14
 Chiogenes hispidula 27, 8, 10, 13, 15
 Cicuta bulbifera
 Cicuta maculata
 Circaea alpina
 Cirsium muticum
 Clintonia borealis
 Coptis trifolia 4, 19
 Corallorrhiza trifida
 Cornus canadensis 1, 7, 8, 14, 20
 Cornus obliqua
 Cornus stolonifera
 Cypripedium acaule 2, 4, 20
 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 26, 8, 9, 10, 16, 17, 19
 Gaylussacia baccata 26
 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 13, 15, 19
 Ledum groenlandicum 23, 5, 6, 7, 8, 9, 10, 11
 Leersia oryzoides
 Linnaea borealis 12, 13, 14, 15, 16, 17
 Liparis loeselii 16, 19, 20
 Listera cordata
 Lobelia kalmii
 Lobelia siphilitica

Lonicera caerulea
 Lonicera oblongifolia
 Lycopus uniflorus
 Lysimachia terrestris
 Maianthemum canadense 4, 16, 17, 20
 Malaxis unifolia
 Menyanthes trifoliata
 Mimulus ringens
 Mitchella repens
 Mitella nuda
 Moneses uniflora
 Muhlenbergia mexicana
 Muhlenbergia racemosa
 Myrica gale
 Nemopanthus mucronata 12, 19
 Onoclea sensibilis
 Osmunda cinnamomea 4, 14, 19
 Osmunda regalis 4
 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 14
 Rorippa palustris
 Rosa caroliniana
 Rubus idaeus
 Rubus triflorus
 Rynchospora alba
 Salix candida 16
 Sarracenia purpurea

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

Smilacina trifolia 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Smilax herbacea 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Solidago serotina 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Spiraea alba 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Spiraea tomentosa 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Steironema lanceolatum
 Symplocarpus foetidus
 Thalictrum dasycarpum
 ✓ Trientalis borealis 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
 Triglochin maritima

Typha latifolia July 27-54
 Vaccinium angustifolium
 Vaccinium macrocarpon
 Vaccinium oxycoccus 3, 5, 6, 7, 9, 11, 12
 Vaccinium pennsylvanicum 3, 5, 6, 7, 9, 11, 12
 Viburnum opulus 1, 3, 4, 5
 Viola canadensis 1, 3, 4, 5
 Viola pallens 1, 2, 3, 4, 5
 Vitis riparia 1, 2, 3, 4, 5

Additional species:

✓ Amelanchier ~~laevis~~
 ✓ Sphagnum 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
 ✓ Carex tri-sperma 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
 ✓ Vaccinium myrt 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20
 ✓ Monotropa
 ✓ Lycopodium
 ✓ ~~Asplenium~~
 ✓ Pyrus melan