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CONIFER SWAMP

Ecology Form # 71

Stand # 5060

Field Data Sheet - Trees

Redox.

Conduc.

Cat.Cap.

Location 41N 8 E 27

pH

02

36" Bore

% Cover 80

Basal Area

Larix Picea Thuja Pop.tr. Betula pap. Abies B. lutea

Distances

		(140)				4		6.75, 10.5, 6.75
		7						12.5, 16.25, 20.5
		(95)				5		24.25, 14.75, 3.75
		(185)				4		3.75, 14.75, 9.75
						4		14.25, 8.5, 29.0
		6				4, 4 1/2, 4		10.0, 22.0, 10.0
		(115)				4, 4 1/2, 4 1/2, 6		15.0, 13.5, 8.5
Soil						4.5 1/2, 4, 6 1/2, 5		19.5, 17.25, 6.5
						6 1/2, 7 1/2, 4	5, 6 1/2	8.75, 3.75, 5.75
						4, 4 1/2, 6 1/2	4	6.0, 0.5, 13.25
		8, (160)			5	5, 5 1/2, 6, 4	6 1/2	20, 2.5, 6.75
					5 1/2, 5	5, 5 1/2, 6, 4	(215)	10.5, 9.25, 11.5
		6 1/2				4, 5, 5, 4 1/2	(160)	15.0, 22.55, 18.75
		(80)				4, 7 1/2, 4		18.0, 14.25, 6.5
		(90, 6 1/2, 65)				5, 4, 4 1/2, 4 1/2, 5		4.25, 16.75, 9.0
		(55) 5,				4, 4 1/2		8.5, 16.75, 30.0
		(100) 7 1/2, (135)				4, 4 1/2, 4, 4.5		7.5, 14.25, 14.0
						4, 5 1/2, 4, (75)		23.25, 16.5, 18.75
		(95)				4 1/2, 4		5.0, 9.75, 13.0
		(85) (90) (120)				4 1/2		32.75, 22.75, 7.75
						5 1/2, 4, 4 1/2, 5		
		7, (160)				5.5, 5 1/2		
40, 140, 120, 55, 6								
TOTALS								

Sketch Map:

H of trees 2049
 # of quad. 13
 8
 4
 401
 62
 20
 7
 6

Plant Ecology Laboratory
Data Form 68

Station No.

60 hand 52

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	20	61	61			1167			48.8	61	30.0	139.8	560 629.1
Acer rubrum													
Acer spicatum													
Betula lutea	5	6	4	2		475			12.2	6	12.2	30.4	210 228.0
B. papyrifera	4	8	8			152			9.8	8	3.9	21.7	132 108.5
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina													
Picea glauca													
P. mariana													
Pinus resinosa													
P. strobus													
Pop. balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	12	25	12	13		2094			29.3	25	53.8	108.1	432 432.4
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

41 100

3888

1001

69.9 300.0

1334 1398.0

12-8

38.9

239.2

1334

~~Lump~~

60

Shuya

4				
5	1	1.20		
6	1	1.28		
	11	2.34	20	
7	111	3.38	28	
	1	1.44	68	
8	1	1.50	114	
			44	
		140	50	
		95	140	
		185	95	
		175	185	
		160	115	
		80	160	
		90	80	
		65	90	
		55	65	
		100	55	
		135	100	
		95	135	
		85	95	
		90	85	
		120	90	
		160	120	
		90	160	
		120	2094	

25

28
628
105

25
61
8
6
100

Bergap

4	1	1.12	12	
	11	2.16	32	
5	111	3.20	60	
	11	2.24	48	
		8	152	
				26 12 32 26 312

Abies

4	1111111111111111	1	26.12	312
5	1111111111111111		10.16	160
	1111111111111111		12.20	240
6	1111111111111111		4.24	96
	1111111111111111		2.28	56
7	1111111111111111		3.34	102
	1111111111111111		1.38	38
8	1111111111111111		2.44	88
			75	75
			581	55

61 1167

B. lutea

4	1	1.12	12	
5	1	1.20	20	
6	1	1.28		
7	11	2.34	68	
				215 160

6 475

TABULATION FORM

CONIFER SWAMP

Stand No. 5060

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>		✓																	✓				1
<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>		✓															✓	✓					2
<i>Arethusa bulbosa</i>																							
<i>Arisaema atrorubens</i>		✓					✓				✓			✓									3
<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>									✓														1
<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>		✓						✓															1
<i>Brachyelytrum erectum</i>																							
<i>Bromus ciliatus</i>												✓											1
<i>Calamagrostis canadensis</i>																							
<i>Calla palustris</i>		✓																					
<i>Calopogon pulchellus</i>																							
<i>Caltha palustris</i>		✓						✓															1
<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. 5060

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	✓	✓		✓	✓																	2
Carex lacustris	✓						✓															1
Carex lasiocarpa																						
Carex leptalea	✓							✓						✓								2
Carex leptonervia																						
Carex limosa																						
Carex oligosperma																						
Carex pauciflora																						
Carex paupercula																						
Carex pedunculata	✓													✓			✓	✓	✓	✓	✓	6
Carex projecta																						
Carex pseudo-cyperus																						
Carex retrorsa																						
Carex scoparia																						
Carex sterilis																						
Carex stipata	✓	✓																				1
Carex stricta																						
Carex tenuiflora																						
Carex trisperma	✓						✓												✓	✓		3
Carex tuckermani																						
Chamaedaphne calyculata																						
Chelone glabra																						
Cicuta bulbifera																						
Cicuta mukulata																						
Cinna latifolia																						
Circaea alpine	✓								✓	✓												2
Cirsium muticum																						
Clintonia borealis	✓	✓	✓	✓	✓		✓		✓													5
Coptis groenlandica	✓	✓	✓	✓	✓			✓	✓			✓	✓			✓	✓	✓	✓	✓	✓	13
Coralorrhiza trifida																						
Cornus alternifolia																						
Cornus canadensis	✓	✓	✓	✓	✓				✓						✓	✓	✓	✓	✓	✓	✓	12
Cornus obliqua																						
Cornus racemosa																						
Cornus stolonifera																						
Cypripedium acaule																						
Cypripedium arietnum																						
Cypripedium calceolus																						
Cypripedium c var. pub																						
Cypripedium reginae																						
Cystopteris fragilis																						
Diervilla lonicera	✓	✓																				
Drosera intermedia																						
Drosera linearis																						
Drosera rotundifolia																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5060

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5060

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5060

[illegible]

[illegible]

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

PRESENCE LIST

CONIFER BOG

Stand No. 60

✓ *Abies balsamea* 1,3,4,7,8,19,
Acer rubrum
 ✓ *Acer spicatum* 1,2,3,4,5,6,11,12,13,14,15,
 ✓ *Betula lutea* 17,18,19,20
 ✓ *Betula papyrifera* 4,8,16,
Carya cordiformis
 ✓ *Fraxinus nigra* 9,20

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

Prunus serotina
Quercus bicolor
Quercus rubra
 ✓ *Sorbus americana*
 ✓ *Thuja occidentalis* 6,16,20
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

✓ *Alnus incana*
 ✓ *Alnus rugosa* 18,
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 ✓ *Aralia nudicaulis* 16,17,
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
 ✓ *Arisaema atrorubens* 6,10,13,
Asclepias incarnata
Aster lateriflorus
Aster novae-angliae
Aster umbellatus
Betula pumila
Betula sandbergii
Bidens coronata
Boehmeria cylindrica
 ✓ *Botrychium virginianum* 7,
Bromus ciliatus 11
Calamagrostis canadensis
 ✓ *Calla palustris*
Calopogon pulchellus
 ✓ *Caltha palustris* 7,
Campanula aparinoides
Chamaedaphne calyculata
 ✓ *Chiogenes hispidula* 17,
Cicuta bulbifera
Cicuta maculata
 ✓ *Circaea alpina* 89,
Cirsium muticum
 ✓ *Clintonia borealis* 2,3,4,6,8,
 ✓ *Coptis trifolia* 2,3,4,7,8,11,12,15,16,17,
Corallorrhiza trifida 18,19,20
 ✓ *Cornus canadensis* 2,3,4,5,8,14,15,16,
Cornus obliqua 17,18,19,20
Cornus stolonifera
Cypripedium acaule
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
 ✓ *Diervilla lonicera*
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
 ✓ *Dryopteris linneana* dry 13,

✓ *Dryopteris phegopteris* 5,8,17,
 ✓ *Dryopteris spinulosa* 34,8,9,10,13,16,19,
 ✓ *Dryopteris thelypteris* 20,18,15,
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* 7,
Galium trifidum
Gaultheria procumbens
Gaylussacia baccata
Gentiana linearis
Geum rivale
 ✓ *Glyceria striata* 19,10,
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 sp
Iris virginica
Juncus tenuis
Kalmia polifolia
Ledum groenlandicum
Leersia oryzoides
 ✓ *Linnaea borealis* 2,3,4,15,17,20
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
 ✓ *Lycopus uniflorus* 9,15,18,
Lysimachia terrestris
 ✓ *Maianthemum canadense* 2,3,5,8,10,11,15,
Malaxis unifolia 16,12,
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
 ✓ *Mitella nuda* 5,7,8,9,10,11,13,14,16,20
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
 ✓ *Nemopanthus mucronata*
 ✓ *Onoclea sensibilis* 1,9,10,13
 ✓ *Osmunda cinnamomea*
 ✓ *Osmunda regalis*
Parnassia caroliniana
Parthenocissus vitacea
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
Poa palustris
Pogonia ophioglossoides
 ✓ *Polygala pauciflora* 17,19
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* 59,
Rorippa palustris
Rosa caroliniana
 ✓ *Rubus idaeus*
 ✓ *Rubus triflorus* 14,5,6,7,9,10,11,13,14,
Rhynchospora alba 15,17,18,19,20
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

1,2 10 Smilacina trifolia 5,6,
Smilax herbacea
Solidago serotina
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
5,9 50 Trientalis borealis 1,2,4,6,8,11,14,16,18,19,
Triglochin maritima

Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis

5,3 45 Viola pallens 3,6,7,10,16,17,18,
Vitis riparia 19,20

Additional species:

2,20 20 ✓ C. diuforma 8,10,12,15,

1,8 15 ✓ Galium triflor 1,9,10,

~~quasi~~

✓ Viola ~~pallens~~ cucullata

1,8 15 ✓ Lonicera can 12,16,17,

1,2 10 ~~Carex~~ ~~stans~~ 7,9,

1,2 10 ✓ Carex ~~intertexta~~ 3,4,

1,8 15 ✓ Lye luc 2,3,4,

✓ spiny Ribes lacustre

1,6 5 ✓ Equis flav 5,

1,2 10 Waldsteinia 5,13,

3,5 30 Carex ~~pumila~~ 13,16,17,18,19,20.

1,8 15 Carex crisp 6,18,19,

1,2 10 Carex ~~dep~~ 7,13

~~Allantium~~

1,6 5 Allium (like dry ~~sp~~ ^{apicatus} ~~luc~~ ^{perfoliatum} ~~base~~ 8)

1,6 5 Dryop cris 17,

C. alipater 1,

C. lacustris 6

2,20 20 sph

7 855