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Site 6066 (Boreal Stand 66): Brule, Douglas County, Township 47N, Range 10W, Section 13. 1956-05-26

[s.l.]: [s.n.], 1956-05-26

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STAND RECORD

FORESTS

Stand No. 66

Name: *Brule* Locality: *Brule town limits S*
 County: *Douglas* T: *47N* R: *10 W* Sec: *13 W 1/2*
 Date: *May 26, 1956* Observers: *PFM* Size of Area Sampled:
 Forest Type: *Popple, balsam, spruce, white pine* Soil Type:
 Topography: *gently rolling* Slope: *slight slope to N* Directions

Condition of Stand:

Fair condition - young stand
Originally pine - cut + burned to give rise to even age stand
Dry - Mesic or Mesic

Open Grown Trees:

% Canopy:

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.N.C.
A ₀									
A ₁									
A ₂									
B									

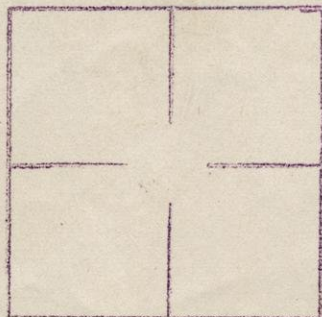
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>1/2 - 3/4" needles + large</i>	<i>1/2 leaves - aspen</i>	<i>as #1</i>
A ₁	<i>1" - reddish, deep brown</i>	<i>1/2 brown - black</i>	
A ₂	<i>2 - 1/2" light brown - hardly any leaching</i>	<i>1" light brown</i>	
B	<i>thin deep red clay</i>	<i>same</i>	

Parent Material:

Map:



Soil contains abundant earthworm.
Stand about 50 years old - age of 1 Ws noted
Shrubs heavily browsed
30 fts restricted to heavily balsamed part of stand

TREE DATA SUMMARY SHEET

spruce-fir, spruce-fir mixed hardwoods.
~~Northern Pine-Hardwoods~~

Station Number: 66

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Abies bals	24	52				1304	83	69.2		79.9	32.8	43.3	28.0	104.1	
Acer rubru							1	0.8							
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	6	7				180	14	11.7		20.0	8.2	5.8	3.9	17.9	
Carpinus c															
Fagus gran															
Ostrya vir							1	0.8							
Picea glau	4	4				159	3	2.5		13.3	5.5	3.3	3.4	12.2	
Pinus Bank															
P. resinosa	2	2				166				6.7	2.8	1.7	3.6	8.1	
P. Strobus	19	29				1378	10	8.3		63.3	26.0	24.2	29.6	79.8	
Populus ba															
P. grandid															
P. tremulo	18	26				1468	5	4.2		59.9	24.7	21.7	31.5	77.9	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer							3	2.5							
U. fulva															
TOTALS	73	120				4655	120	100.0		243.1	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

7.7

AVE B. A.:

38.8

TREES/ACRE:

735

DOM./ACRE:

28,518

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 66(1)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	4 21	4 1/2 18		7 20	4 37 4 21	5 24		4 1/2 20	9 31 18 25	7 25 19 14
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lnt.										
B. papyrif	3 20						4 22 3 26	3 1/2 35		
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau			12 1/2 19						13 55	
Pinus Bank										
P. resinosa	4 1/2 81									
P. Strobus	8 1/2 32	11 33 11 40	8 1/2 29	7 1/2 65 7 1/2 40	3 28	8 25 18 99	6 58 12 162			3 94
Populus bals						19 1/2 36				
P. grand										
P. trem		6 14	1 1/2 90 17 78	4 75	11 105			11 29 4 40		
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	50	65	75	55	70	60	65	60	10	65
Litter	1	3/4	1	1	1/2	1/8	1/2	3/4	1/8	1/2
Distance	20	32 1/2	39 1/2	26	22	30 1/2	25	23	49	28 1/2

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 66(2)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	69 11	18 20 7 1/2	16 4 1/2 4	19 24	9 1/2 15 22 5 7	21 22 6 18 1/2 30	4 20 17 22 10	6 35 40 12 30 5 1/2	29 31 19 3	18 20 6 32
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lnt.										
B. papyrif			5 1/2	20						
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau		6	23							
Pinus Bank										
P. resinosa										
P. Strobus	2	25		6	30 13	1 1/2	36		11 1/2	37 5 5
Populus bals										
P. grand										
P. trem		17 8	4 1/2 32	8 45	4 13	56 38		12 40	8 1/2 76	8 50
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	80	40	65	60	20	60	75	75	65	55
litter	1	1/2	1/4	1/2	1	1	1/4	1/4	1/4	1/4
Distance	28	38 1/2	22	36	36 1/2	20	27	23 1/2	32	24

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 66(3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	8 31 14 1/2 20		4 19 15 30	4 18 15 30			4 20 2 34	3 16 19 32	7 19 12 1/2 20	9 20 19 1/2 25
Acer rubrum								17 18	10 15	11 30
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif	8 31			6 20						
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau	8 1/2 12									
Pinus Bank										
P. resinosa							2 85			
P. Strobus		2 8 55 36	10 40		14 34 8 56	7 1/2 29 15 20	8 25	5 22	-	
Populus bals										
P. grand										
P. trem		18 72 16 65	3 37 13 1/2 60	10 1/2 165	5 93	14 1/2 19 16 40		8 65	11 22	
Prunus pen.						18 31				
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	30	70	65	20	55	35	80	75	60	20
Letter	1/4	1/4	1/4	1/4	1/8	1/4	1/2	1	3/4	1/4
Distance	39.	44.	30 1/2	35 1/2	32	34	16.	24	37 1/2	40 1/2

Av. canopy - 57%.

Av. letter - 0.5"

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 66(1) SAMPING

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	4 17	3 3	4 5	9 7	7 11	10 18	2 12 1/2	10 14	13 12	10
Acer rubrum					9 1/2				13	
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif	10 1/2	/					4			2
Carpinus car										
Fagus gran										
Ostrya virg						9				
Picea glau			7	7			1 1/2			
Pinus Bank										
P. resinosa										
P. Strobus		8 1/2						2 3		3 6
Populus bals										
P. grand										
P. trem									20	
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer									9 1/2	
U. fulva										
Distance	35	23	25	27 1/2	38 1/2	43	20	29	54 1/2	21

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 66(2) SAPLING

STATION NO.	1	2	3	4	5	6	7	8	9	10								
Abies balsam	7 1	13 2	3 7	4 6	10 1/2 5	7 3	4 9	3 1/2 13 1/2	2 4	6 8	3 3	5 5	16 3 1/2	9 4	3 9 1/2	26 17	11 1/2 19	7 15
Acer rubrum																		
A. sacchar.																		
A. spicatum																		
Betula lut.																		
B. papyrif			4 1/2															
Carpinus car																		
Fagus gran																		
Ostrya virg																		
Picea glau																		
Pinus Bank																		
P. resinosa																		
P. Strobus				11														
Populus bals																		
P. grand																		
P. trem									11 12									
Prunus pen.																		
Quercus ell																		
Q. rubra																		
Tilia amer																		
Tsuga can																		
Thuja occ																		
Ulmus amer																		
U. fulva																		
Distance	23	20	27	27	22 1/2	20	33	32 1/2	55 1/2	52 1/2								

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 6631 SAPLINGES

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	9	10 21	4 16	11 13	7 9	21 12	2 5	9 13	6 7	11 17
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif	9 4			15 8	7 18	7 12	5	4		
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus		11 13						6		
Populus bals										
P. grand										
P. trem	18				18					
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer			17							11
U. fulva										
Distance	40	56	50	52	41	52 1/2	20	32	28	58 1/2

[illegible]

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Carex disperma																							
Carex eburnea																							
Carex intumescens	✓		✓		✓		✓															3	20
Carex leptalea																							
Carex pedunculata	✓	✓								✓												1	7
Carex pensylvanica	✓	✓	✓	✓	✓		✓				✓		✓			✓						7	47
Carex projecta	✓																						1
Carex woodii																							
Carex spp.																							
Caulophyllum thalictroides																							
Celastrus scandens																							
Chamaedaphne calyculata																							
Chimaphila umbellata																							
Chrysanthemum leucanthemum																							
Chrysosplenium americanum																							
Cicuta maculata																							
Cinna latifolia																							
Circaea alpina																							
Cirsium altissimum																							
Cirsium arvense																							
Cirsium vulgare																							
Claytonia caroliniana																							
Claytonia virginica																							
Clematis virginiana																							
Clematis verticillaris																							
Clintonia borealis	✓	✓					✓						✓									2	13
Comandra richardsiana																							
Comandra umbellata																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandicum	✓	✓			✓	✓								✓								3	20
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Cornus alternifolia																							
Cornus canadensis	✓	✓	✓		✓				✓	✓		✓	✓		✓	✓						8	53
Cornus racemosa																							
Cornus rugosa	✓	✓									✓	✓		✓								3	20
Cornus stolonifera	✓	✓																					1
Corydalis sempervirens																							
Corylus americana																							
Corylus cornuta	✓	✓		✓																		1	7
Cryptotaenia canadensis																							
Cynoglossum boreale																							
Cynoglossum officinale																							
Cypripedium acaule																							
Cypripedium arietinum																							
Cypripedium calceolus																							
Cypripedium reginae																							
Cystopteris bulbifera																							
Cystopteris fragilis																							
Dalibarda repens																							

[illegible]

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Geum aleppicum																							
Geum canadense	✓																						1
Geum rivale																							
Glyceria striata																							
Goodyera obtusifolia																							
Goodyera pubescens																							
Goodyera repens																							
Goodyera tessellata																							
Habenaria clavellata																							
Habenaria hyperborea																							
Habenaria obtusata																							
Habenaria orbiculata																							
Habenaria psycodes																							
Habenaria viridis																							
Hackelia virginiana																							
Halenia deflexa																							
Hamamelis virginiana																							
Helianthus strumosus																							
Hepatica acutiloba																							
Hepatica americanum	✓	✓	✓		✓	✓		✓		✓		✓		✓	✓	✓						9	67
Heracleum maximum																							
Heuchera richardsonii																							
Hieracium aurantiacum	✓																						1
Hieracium canadense																							
Hieracium pratense																							
Hieracium scabrum																							
Ilex verticillata		✓																					1
Impatiens capensis																							
Iris lacustris																							
Isopyrum biternatum																							
Juniperus communis																							
Juniperus horizontalis																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus	✓	✓																					1
Ledum groenlandicum																							
Lichens spp.	✓	✓			✓	✓	✓			✓	✓	✓		✓			✓					8	53
Lilium michiganense																							
Linnaea borealis	✓	✓															✓					1	7
Listera auriculata																							
Listera borealis																							
Listera convallarioides																							
Listera cordata																							
Lobelia inflata																							
Lonicera canadensis	✓	✓																					1
Lonicera dioica																							
Lonicera hirsuta	✓	✓				✓																1	7
Lonicera involucrata																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lonicera villosa																							
Luzula acuminata	✓	✓	✓	✓				✓														3	20

[illegible]

[illegible]

[illegible]

[illegible]

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 66

May 26, 1956

TREES

- ✓ *Abies balsamea*
- ✓ *Acer pensylvanicum*
- ✓ *Acer rubrum*
- Acer saccharum*
- Acer spicatum*
- ✓ *Amelanchier* spp.
- Betula lutea*
- ✓ *Betula papyrifera*
- Carpinus caroliniana*
- Crataegus* spp.
- Fagus grandifolia*
- Fraxinus americana*

- Fraxinus nigra*
- ✓ *Fraxinus pennsylvanicum* *sapling*
- Larix laricina*
- ✓ *Ostrya virginiana*
- ✓ *Picea glauca*
- Picea mariana*
- Pinus banksiana*
- ✓ *Pinus resinosa*
- ✓ *Pinus strobus*
- Populus balsamifera*
- Populus grandidentata*
- ✓ *Populus tremuloides*

- Prunus nigra*
- Prunus pensylvanica*
- Prunus serotina*
- ✓ *Prunus virginiana* *seedling*
- Pyrus americana*
- Pyrus decora*
- Quercus rubra* var. *borealis*
- Thuja occidentalis*
- Tilia americana*
- Tsuga canadensis*
- ✓ *Ulmus americana*
- Ulmus rubra*

SHRUBS

- Alnus crispa*
- Alnus rugosa*
- Arctostaphylos uva-ursi*
- Celastrus scandens*
- Chamaedaphne calyculata*
- Comptonia peregrina*
- Cornus alternifolia*
- Cornus racemosa*
- ✓ *Cornus rugosa*
- ✓ *Cornus stolonifera*
- Corylus americana*
- ✓ *Corylus cornuta*
- Diervilla lonicera*
- Dirca palustris*
- Empetrum nigrum*
- Gaylussaccia baccata*
- Hamamelis virginiana*
- Ilex verticillata*
- Juniperus communis*
- Juniperus horizontalis*
- Ledum groenlandicum*
- ✓ *Lonicera canadensis* †
- Lonicera dioica*

- ✓ *Lonicera hirsutum*
- Lonicera involucrata*
- Lonicera oblongifolia*
- Lonicera villosa*
- Parthenocissus quinquefolia*
- Parthenocissus vitacea*
- Prunus pumila*
- Pyrus melanocarpa*
- Rhamnus alnifolia*
- Rhus glabra*
- Rhus typhina*
- Ribes americanum*
- Ribes cynosbati*
- Ribes glandulosum*
- Ribes hirtellum*
- Ribes lacustre*
- Ribes oxycanthoides*
- ✓ *Ribes triste*
- ✓ *Rosa* sp.
- Rubus allegheniensis*
- Rubus* (blackberry)
- Rubus* (dewberry)
- Rubus* (raspberry)

- ✓ *Rubus idaeus*
- ✓ *Rubus parviflorus*
- Salix* sp.
- Sambucus canadensis*
- Sambucus pubens*
- Shepherdia canadensis*
- Smilax tamnoides* var. *hispida*
- Spiraea alba*
- Spiraea latifolia*
- Symphoricarpos albus*
- Symphoricarpos occidentalis*
- Taxus canadensis*
- Vaccinium angustifolium*
- Vaccinium myrtilloides*
- Vaccinium vitis-idaea*
- Viburnum acerifolium*
- Viburnum cassinoides*
- Viburnum edule*
- Viburnum lentago*
- ✓ *Viburnum rafinesquianum*
- Viburnum trilobum*
- Vitis vulpina*
- Zanthoxylum americanum*

HERBS

- Achillea millefolium*
- Actaea pachypoda*
- Actaea rubra*
- Adiantum pedatum*
- Agrimonia gryposepala*
- Agrostis perennans*
- Allium tricoccum*
- Amphicarpa bracteata*
- Anaphalis margaritacea*
- Anemone canadensis*
- Anemone cylindrica*
- ✓ *Anemone quinquefolia* †
- Anemone virginiana*
- Antennaria* sp.
- Apocynum androsaemifolium*
- Aquilegia canadensis*
- Aralia nudicaulis*
- Aralia racemosa*
- Arisaema atrorubens*
- ✓ *Asarum canadense*
- Asclepias exaltata*
- Aster furcatus*
- ✓ *Aster macrophyllus*
- Aster nova-angliae*
- Aster paniculatus*

- Aster puniceus*
- Aster sagittifolius*
- Aster umbellatus*
- ✓ *Athyrium filix-femina*
- Athyrium thelypteroides*
- Botrychium lunaria*
- Botrychium matricariaefolium*
- Botrychium multifidum*
- Botrychium virginianum*
- Calypso bulbosa*
- Campanula rotundifolia*
- ✓ *Carex arctata*
- Carex intumescens*
- ✓ *Carex pensylvanica*
- Carex woodii*
- Carex* spp.
- Chimaphila umbellata*
- Chrysanthemum leucanthemum*
- Chrysosplenium americanum*
- Cinna latifolia*
- Circaea alpina*
- Claytonia caroliniana*
- Claytonia virginiana*
- Clematis virginiana*
- Clematis verticillaris*

- ✓ *Clintonia borealis*
- Comandra richardsiana*
- Comandra umbellata*
- ✓ *Coptis groenlandicum* †
- Corallorhiza maculata*
- Corallorhiza striata*
- Corallorhiza trifida*
- ✓ *Cornus canadensis*
- Corydalis sempervirens*
- Cynoglossum officinale*
- Cypripedium acaule*
- Cypripedium calceolus* var. *pubescens*
- Cystopteris fragilis*
- Dalibarda repens*
- Desmodium glutinosum*
- Dicentra canadensis*
- Dicentra cucullaria*
- Dryopteris cristata*
- ✓ *Dryopteris disjuncta*
- Dryopteris goldiana*
- Dryopteris marginalis*
- Dryopteris phegopteris*
- ✓ *Dryopteris spinulosa*

PRESENCE LIST

May 26, 1956

SPRUCE-FIR - MIXED HARDWOODS

STAND 66

Epigaea repens
Epilobium angustifolium
Epilobium glandulosum
Epilobium strictum
Equisetum pratense
Equisetum sylvaticum
Erigeron annuus
Erigeron philadelphicus
Erigeron strigosus
Erythronium albidum
Erythronium americanum
Fragaria vesca
Fragaria virginiana f
Galium aparine
Galium boreale
Galium concinnum
Galium lanceolatum
Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana andrewsii
Gentiana crinata
Gentiana quinquefolia
Geocaulon lividum
Geranium bicknellii
Geranium maculatum
Geum rivale
Goodyera repens
Goodyera tessellata
Habenaria hyperborea
Habenaria orbiculata
Habenaria psycodes
Habenaria viridis
Halenia deflexa
Helianthus strumosus
Hepatica acutiloba
Hepatica americanum f
Hieracium aurantiacum
Hieracium canadense
Hieracium scabrum
Impatiens capensis
Iris lacustris
Isopyrum bitermum
Lathyrus ochroleucus
Linnaea borealis
Lobelia inflata
Lycopodium annotinum
Lycopodium clavatum
Lycopodium clavatum var. megastachyon
Lycopodium complanatum
Lycopodium inundatum

Lycopodium lucidulum
Lycopodium obscurum
Lycopodium obscurum var. dendroideum
Lycopodium selago
Lycopodium tristachyum
Lysimachia ciliata
Lysimachia quadrifolia
Lysimachia terrestris
Maianthemum canadense
Malaxis unifolia
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla
Mitella nuda
Moneses uniflora
Monotropa hypopithys
Monotropa uniflorus
Onoclea sensibilis
Orchis spectabilis
Osmorhiza claytoni
Osmorhiza longistylis
Osmunda cinnamomea
Osmunda claytoniana
Oxalis montana
Oxalis stricta
Panax quinquefolius
Panax trifolius
Petasites palmatus
Phlox divaricata
Poa compressa
Poa pratensis
Polygala paucifolia
Polygonatum biflorum
Polygonatum pubescens
Polymnia canadensis
Polypodium virginianum
Potentilla norvegica
Potentilla simplex
Potentilla tridentata
Prenanthes alba
Primula mistassinica
Prunella vulgaris
Pteridium aquilinum
Pyrola asarifolia
Pyrola elliptica
Pyrola minor
Pyrola rotundifolia
Pyrola secunda
Pyrola virens
Ranunculus abortivus

Ranunculus acris
Ranunculus pensylvanicus
Ranunculus recurvatus
Ranunculus repens
Ranunculus septentrionalis
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Sanicula marilandica
Satureja vulgaris
Schizachne purpurascens
Scutellaria epilobiifolia
Scutellaria lateriflora
Smilacina racemosa
Smilacina stellata
Smilacina trifolia
Smilax herbacea
Solidago canadensis
Solidago flexicaulis
Solidago graminifolia
Solidago ulmifolia
Stellaria calycantha
Streptopus amplexifolius
Streptopus roseus
Taraxacum officinale
Thalictrum dioicum
Thalictrum polygamum
Tiarella cordifolia
Trientalis borealis
Trillium cernuum f
Trillium erectum
Trillium grandiflorum
Trillium undulatum
Uvularia grandiflora
Uvularia sessilifolia f
Vicia americana
Viola adunca
Viola blanda
Viola canadensis
Viola conspersa f
Viola cucullata
Viola incognita f
Viola nephrophylla
Viola pallens
Viola papilionacea
Viola pubescens
Viola renifolia
Viola selkirkii
Viola sororia
Waldsteinia fragarioides

Additional species

Dufourea repens
Luzula acuminata f
Peculiar composite - collected
Cirsium sp
Carex pedunculata
Mosses
Lichens

Geranium sp
Geranium canadense

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 66

July 2, 1956

~~✓~~ Abies balsamea
~~✓~~ Acer pensylvanicum
~~✓~~ Acer rubrum
~~✓~~ Acer saccharum
~~✓~~ Acer spicatum
~~✓~~ Amelanchier spp.
~~✓~~ Betula lutea
~~✓~~ Betula papyrifera
~~✓~~ Carpinus caroliniana
~~✓~~ Crataegus spp.
~~✓~~ Fagus grandifolia
~~✓~~ Fraxinus americana

Alnus crispa
 Alnus rugosa
 Arctostaphylos uva-ursi
 Celastrus scandens
 Chamaedaphne calyculata
 Comptonia peregrina
 Cornus alternifolia
 Cornus racemosa
~~✓~~ Cornus rugosa
~~✓~~ Cornus stolonifera
~~✓~~ Corylus americana
~~✓~~ Corylus cornuta
~~✓~~ Diervilla lonicera
~~✓~~ Dirca palustris
~~✓~~ Empetrum nigrum
~~✓~~ Gaylussaccia baccata
~~✓~~ Hamamelis virginiana
~~✓~~ Ilex verticillata
~~✓~~ Juniperus communis
~~✓~~ Juniperus horizontalis
~~✓~~ Ledum groenlandicum
~~✓~~ Lonicera canadensis
~~✓~~ Lonicera dioica

Achillea millefolium
 Actaea pachypoda
~~✓~~ Actaea rubra
~~✓~~ Adiantum pedatum
~~✓~~ Agrimonia gryposepala
~~✓~~ Agrostis perennans
~~✓~~ Allium tricoccum
~~✓~~ Amphicarpa bracteata
~~✓~~ Anaphlis margaritacea
~~✓~~ Anemone canadensis
~~✓~~ Anemone cylindrica
~~✓~~ Anemone quinquefolia
~~✓~~ Anemone virginiana
~~✓~~ Antennaria sp.
~~✓~~ Apocynum androsaemifolium
~~✓~~ Aquilegia canadensis
~~✓~~ Aralia nudicaulis
~~✓~~ Aralia racemosa
~~✓~~ Arisaema atrorubens
~~✓~~ Asarum canadense
~~✓~~ Asclepias exaltata
~~✓~~ Aster furcatus
~~✓~~ Aster macrophyllus
~~✓~~ Aster nova-angliae
~~✓~~ Aster paniculatus

TREES

~~✓~~ Fraxinus nigra
~~✓~~ Fraxinus pennsylvanicum
~~✓~~ Larix laricina
~~✓~~ Ostrya virginiana
~~✓~~ Picea glauca
~~✓~~ Picea mariana
~~✓~~ Pinus banksiana
~~✓~~ Pinus resinosa
~~✓~~ Pinus strobus
~~✓~~ Populus balsamifera
~~✓~~ Populus grandidentata
~~✓~~ Populus tremuloides

SHRUBS

~~✓~~ Lonicera hirsutum
~~✓~~ Lonicera involucrata
~~✓~~ Lonicera oblongifolia
~~✓~~ Lonicera villosa
~~✓~~ Parthenocissus quinquefolia
~~✓~~ Parthenocissus vitacea
~~✓~~ Prunus pumila
~~✓~~ Pyrus melanocarpa
~~✓~~ Rhamnus alnifolia
~~✓~~ Rhus glabra
~~✓~~ Rhus typhina
~~✓~~ Ribes americanum
~~✓~~ Ribes cynosbati
~~✓~~ Ribes glandulosum
~~✓~~ Ribes hirtellum
~~✓~~ Ribes lacustre
~~✓~~ Ribes oxycanthoides
~~✓~~ Ribes triste
~~✓~~ Rosa sp.
~~✓~~ Rubus allegheniensis
~~✓~~ Rubus (blackberry)
~~✓~~ Rubus (dewberry)
~~✓~~ Rubus (raspberry)

HERBS

Aster puniceus
 Aster sagittifolius
 Aster umbellatus
~~✓~~ Athyrium filix-femina
~~✓~~ Athyrium thelypteroides
~~✓~~ Botrychium lunaria
~~✓~~ Botrychium matricariaefolium
~~✓~~ Botrychium multifidum
~~✓~~ Botrychium virginianum
~~✓~~ Calypso bulbosa
~~✓~~ Campanula rotundifolia
~~✓~~ Carex arctata
~~✓~~ Carex intumescens
~~✓~~ Carex pensylvanica
~~✓~~ Carex woodii
~~✓~~ Carex spp.
~~✓~~ Chimaphila umbellata
~~✓~~ Chrysanthemum leucanthemum
~~✓~~ Chrysosplenium americanum
~~✓~~ Cinna latifolia
~~✓~~ Circaea alpina
~~✓~~ Claytonia caroliniana
~~✓~~ Claytonia virginiana
~~✓~~ Clematis virginiana
~~✓~~ Clematis verticillaris

Prunus nigra
 Prunus pensylvanica
 Prunus serotina
~~✓~~ Prunus virginiana
~~✓~~ Pyrus americana
~~✓~~ Pyrus decora
~~✓~~ Quercus rubra var. borealis
~~✓~~ Thuja occidentalis
~~✓~~ Tilia americana
~~✓~~ Tsuga canadensis
~~✓~~ Ulmus americana
~~✓~~ Ulmus rubra

~~✓~~ Rubus idaeus
~~✓~~ Rubus parviflorus
~~✓~~ Salix sp.
~~✓~~ Sambucus canadensis
~~✓~~ Sambucus pubens
~~✓~~ Shepherdia canadensis
~~✓~~ Smilax tamnoides var. hispida
~~✓~~ Spiraea alba
~~✓~~ Spiraea latifolia
~~✓~~ Symphoricarpos albus
~~✓~~ Symphoricarpos occidentalis
~~✓~~ Taxus canadensis
~~✓~~ Vaccinium angustifolium
~~✓~~ Vaccinium myrtilloides
~~✓~~ Vaccinium vitis-idaea
~~✓~~ Viburnum acerifolium
~~✓~~ Viburnum cassinoides
~~✓~~ Viburnum edule
~~✓~~ Viburnum lentago
~~✓~~ Viburnum rafinesquianum
~~✓~~ Viburnum trilobum
~~✓~~ Vitis vulpina
~~✓~~ Zanthoxylum americanum

~~✓~~ Clintonia borealis
~~✓~~ Comandra richardsiana
~~✓~~ Comandra umbellata
~~✓~~ Coptis groenlandicum
~~✓~~ Corallorhiza maculata
~~✓~~ Corallorhiza striata
~~✓~~ Corallorhiza trifida
~~✓~~ Cornus canadensis
~~✓~~ Corydalis sempervirens
~~✓~~ Cynoglossum officinale
~~✓~~ Cypripedium acaule
~~✓~~ Cypripedium calceolus var. pubescens
~~✓~~ Cystopteris fragilis
~~✓~~ Dalibarda repens
~~✓~~ Desmodium glutinosum
~~✓~~ Dicentra canadensis
~~✓~~ Dicentra cucullaria
~~✓~~ Dryopteris cristata
~~✓~~ Dryopteris disjuncta
~~✓~~ Dryopteris goldiana
~~✓~~ Dryopteris marginalis
~~✓~~ Dryopteris phegopteris
~~✓~~ Dryopteris spinulosa

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

S-66

July 2, 1956

Epigaea repens
 Epilobium angustifolium
 Epilobium glandulosum
 Epilobium strictum
 Equisetum pratense
 ✓ Equisetum sylvaticum
 Erigeron annuus
 Erigeron philadelphicus
 Erigeron strigosus
 Erythronium albidum
 Erythronium americanum
 Fragaria vesca
 ✓ Fragaria virginiana
 Galium aparine
 Galium boreale
 Galium concinnum
 Galium lanceolatum
 ✓ Galium triflorum
 Gaultheria hispidula
 Gaultheria procumbens
 Gentiana andrewsii
 Gentiana crinata
 Gentiana quinquefolia
 Geocaulon lividum
 Geranium bicknelli
 Geranium maculatum
 Geum rivale
 Goodyera repens
 Goodyera tessellata
 Habenaria hyperborea
 Habenaria orbiculata
 Habenaria psycodes
 Habenaria viridis
 Halenia deflexa
 Helianthus strumosus
 Hepatica acutiloba
 ✓ Hepatica americanum
 Hieracium aurantiacum
 Hieracium canadense
 Hieracium scabrum
 Impatiens capensis
 Iris lacustris
 Isopyrum biternatum
 ✓ Lathyrus ochroleucus
 ✓ Linnaea borealis
 Lobelia inflata
 Lycopodium annotinum
 ✓ Lycopodium clavatum
 Lycopodium clavatum var. megastachyon
 Lycopodium complanatum
 Lycopodium inundatum

Lycopodium lucidulum
 Lycopodium obscurum
 Lycopodium obscurum var. dendroideum
 Lycopodium selago
 Lycopodium tristachyum
 Lysimachia ciliata
 Lysimachia quadrifolia
 Lysimachia terrestris
 ✓ Maianthemum canadense
 Malaxis unifolia
 Medeola virginiana
 Melampyrum lineare
 ✓ Mitchellia repens
 ✓ Mitella diphylla
 ✓ Mitella nuda
 Moneses uniflora
 Monotropa hypopithys
 Monotropa uniflorus
 Onoclea sensibilis
 Orchis spectabilis
 ✓ Osmorhiza claytoni
 Osmorhiza longistylis
 ✓ Osmunda cinnamomea
 Osmunda claytoniana
 Oxalis montana
 Oxalis stricta
 Panax quinquefolius
 Panax trifolius
 ✓ Petasites palmatus
 Phlox divaricata
 Poa compressa
 ✓ Poa pratensis
 Polygala paucifolia
 Polygonatum biflorum
 Polygonatum pubescens
 Polymnia canadensis
 Polypodium virginianum
 Potentilla norvegica
 Potentilla simplex
 Potentilla tridentata
 ✓ Prenanthes alba
 Primula mistassinaca
 ✓ Prunella vulgaris
 ✓ Pteridium aquilinum
 ✓ Pyrola asarifolia
 ✓ Pyrola elliptica
 Pyrola minor
 Pyrola rotundifolia
 Pyrola secunda
 Pyrola virens
 ✓ Ranunculus abortivus

✓ Ranunculus acris
 Ranunculus pensylvanicus
 Ranunculus recurvatus
 Ranunculus repens
 Ranunculus septentrionalis
 ✓ Rhus radicans
 ✓ Rubus pubescens
 Sanguinaria canadensis
 ✓ Sanicula marilandica
 Satureja vulgaris
 Schizachne purpurascens
 Scutellaria epilobiifolia
 Scutellaria lateriflora
 Smilacina racemosa
 Smilacina stellata
 Smilacina trifolia
 ✓ Smilax herbacea
 Solidago canadensis
 Solidago flexicaulis
 Solidago graminifolia
 Solidago ulmifolia
 Stellaria calycantha
 Streptopus amplexifolius
 ✓ Streptopus roseus
 Taraxacum officinale
 Thalictrum dioicum
 Thalictrum polygamum
 Tiarella cordifolia
 ✓ Trientalis borealis
 ✓ Trillium cernuum
 Trillium erectum
 Trillium grandiflorum
 Trillium undulatum
 Uvularia grandiflora
 ✓ Uvularia sessilifolia
 ✓ Vicia americana
 Viola adunca
 Viola blanda
 Viola canadensis
 ✓ Viola conspersa
 ✓ Viola cucullata like it
 ✓ Viola incognita
 Viola nephrophylla
 Viola pallens
 Viola papilionacea
 ✓ Viola pubescens
 Viola renifolia
 Viola selkirkii
 Viola sororia
 Waldsteinia fragarioides

JMT
CREEK EDGE

Additional species

Lichens
 Mosses
 Luzula acuminata
 Grasses sp.
 Oryzopsis asperifolia
 Carex pedunculata
 Brachyletrum erectum
 Solidago sp. - lepida
 Trifolium pratense
 Aster lindleyanus

Carex projecta
 Lysimachia ciliata

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 661

TREE SEEDLINGS

0986531 Abies balsamea
Acer pensylvanicum
9 Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
Betula papyrifera
73 Amelanchier sp

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

Pinus strobus
Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
3 Corylus cornuta
Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis
4 Lonicera hirsuta
0 Comus rugosa

324 7 May 1967
Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
6 Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
Rubus idaeus
7 Ribes triste

07531 Prunus virginiana
6 Ulmus americana
Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

HERBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
0651 Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
0524 Aralia nudicaulis
Arisaema atrorubens
8654321 Aster macrophyllus 90
7642 Athyrium filix-femina
Botrychium virginianum
05321 Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
6 Clintonia borealis
54 Coptis groenlandicum
Corallorhiza maculata
9841 Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

42 Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
097651 Fragaria virginiana
Galium aparine
974321 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
96431 Hepatica americana
Hieracium aurantiacum
Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
0986531 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
6 Mitchella repens
4 Mitella diphylla

431 Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
96 Prenanthes alba
6 Pteridium aquilinum
9 Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
0642 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
98657 Streptopus roseus
Tiarella cordifolia
Trientalis borealis
Trillium erectum
Trillium grandiflorum
6 Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
3 Viola pubescens
Viola renifolia
Waldsteinia fragarioides

Additional species

Mosses 1234567890
Lichens 345890
Asarum canadense B9
Syring 137
Empetrum bracteatum

Oryzopsis asper 1
Sambucus racemosa 12367890
Prunella vulgaris 1
Rufula acuminata 127
Carex orthoceras 246

Rhamnus aln 2
Brachylettrum erect 48
Carex argentea 457890
Petasites palmatus 5
Aster undulatus 6

Carex peduncul 9
Rhus radicans 0

75 Viola macrophylla

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 66(2)

TREE SEEDLINGS

54321 *Abies balsamea*
Acer pensylvanicum
Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
Betula papyrifera

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

Pinus strobus
 4 *Populus tremuloides*
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis

Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
 3 *Rosa* sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
Rubus idaeus

Rubus parviflorus
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

HERBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphlis margaritacea
Anemone cylindrica
 543 *Anemone quinquefolia*
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
 432 *Aralia nudicaulis*
Arisaema atrorubens
 54321 *Aster macrophyllus*
 2 *Athyrium filix-femina*
Botrychium virginianum
 52 *Carex pensylvanica*
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
 2 *Clintonia borealis*
 3 *Coptis groenlandicum*
Corallorhiza maculata
 542 *Cornus canadensis*
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
 431 *Fragaria virginiana*
Galium aparine
Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
 5431 *Hepatica americana*
Hieracium aurantiacum
 5 *Linnaea borealis*
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
 432 *Maianthemum canadense*
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

5 *Mitella nuda*
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
 31 *Pteridium aquilinum*
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
 2 *Rubus pubescens*
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
Trientalis borealis
Trillium erectum
Trillium grandiflorum
 3 *Uvularia sessilifolia*
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

Additional species

Mosses 1245
Lichens 25
Saxifraga mar 135
Ranunculus acris

Trifolium pratense 1
Trifolium repens 13
Trifolium vulg. 13
Trifolium sp 13

Carex acutata 1345
Aster ludleyi 1
Trillium cernuum 2
Rhus radicans 3

Oryzopsis asper 45