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Site 6076 (Boreal Stand 76): Red Cliff Creek, Bayfield County, Township 51N, Range 3W, Section 31. 1956-06-28

[s.l.]: [s.n.], 1956-06-28

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STAND RECORD

FORESTS

Stand No. 76

Name: Redcliff Creek

County: Bayfield, in Redcliff

Date: June 28, 1956

Observers: PFM

Size of Stand: 10-15 acres

Forest Type: Spruce-fir-w. pine

Topography: gently rolling

T: 51N

R: 3W

Sec: 31 NW 1/4

Locality: N. Redcliff at bend in Hg 13

Size of Area Sampled:

Soil Type:

Slope:

Directions

25 yd intervals

Condition of Stand:

Ravine stand, with fairly mildly sloping banks
 Slightly logged in places - canopy not opened - Indian cutting for firewood
 young stand.

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.H.C.
A ₀									
A ₁									
A ₂									
B									

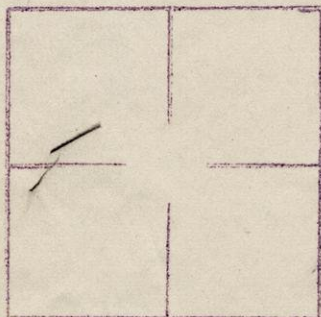
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2 needle leaves	1/4-1/2 needles	1/4-1/2 needles
A ₁	1 1/2-2" blackish red	1-1 1/2" crumbly blackish red	slight
A ₂	1" - barely visible	1-1 1/2" ashy red	3" leached ashy red sandy material
B	red clay	red clay	then sandstone red encountered

Parent Material:

Map:



TREE DATA SUMMARY SHEET

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

Station Number: 76

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	34	61				3349	76	47.5		85.0	32.7	38.1	25.8	96.6	
Acer rubru							13	8.1							
A. sacchar							1	0.6							
A. spicatu							13	8.1							
Betula lut															
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	30	47				3593	19	11.9		75.0	28.9	29.4	27.7	86.0	
Pinus Bank	2	2				390				5.0	1.9	1.2	3.0	6.1	
P. resinosa	1	1				128				2.5	1.0	0.6	1.0	2.6	
P. Strobus	21	33				4284	2	1.3		52.5	20.2	20.6	33.0	73.8	
Populus ba															
P. grandid	2	2				134				5.0	1.9	1.2	1.0	4.1	
P. tremulo	11	11				973	15	9.4		27.5	10.6	7.0	7.5	25.1	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana							1	0.6							
Thuja occi	3	3				127	17	10.6		7.5	2.8	1.9	1.0	5.7	
Ulmus amer															
U. fulva															
Frax. nig.							1	0.6							
Amelanchier							1	0.6							
Pyrus amer.							1	0.6							
TOTALS	104	160				12978	160	100.0		260.0	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

10.6

AVE B. A.:

81.1

TREES/ACRE:

388

DOM./ACRE:

31,467

Stand No. 76 (1)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 76 (4)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	13 74 21 65	9 64 8 72	4 33 15 26	4 32 9 30		3 42 9 63	11 90 11 63	15 46 17 90	10 106 10 106	13 40 13 40
Acer rubrum	120 67			19 1/2 21				17 1/2 50		
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau	19 75 19 75	8 100			7 42 11 85	10 41	10 50 1 46		110 130 5 36	115 110 16 94 7 20
Pinus Bank										
P. resinosa										
P. Strobus			9 140		12 105		14 210	17 130		
Populus bals										
P. grand					8 1/2 75	17 59				
P. trem		8 65	8 1/2 212	12 73						
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Canopy	5	65	85	30	75	50	10	50	75	45
Litter	1/4	1"	1"	1/8	1/2	1/4	1/8	3/4	1/2	1/4
Distance										

Av. Canopy - 54.70

Av. Litter - 0.6"

Stand No. 76(2) SAPLING

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 76(4) SAPPING

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 76

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
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* seedling tree
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*

Aster multiflorus

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

S-76

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
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 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 laterifolia
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
Viola incognita
Viola nephrophylla
Viola pallens
Viola papilionacea
Viola pubescens
Viola renifolia
Viola selkirkii
Viola sororia
Waldsteinia fragarioides

Additional species

Moss
Lichens
Caltha palustris - in wet sloughs
Scum canadense
Aster lateriflorus
Grass sp. - Agrostis alba
Ursus
Trifolium repens
Trifolium pratense

Equisetum arvense v *boreale*
Oxyopsis asperifolia
Carex pedunculata
Habenaria sp. - tall many leaves - v. red.
Carex deweyana

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 76 (1)

TREE SEEDLINGS *as shrubs*

- 874321 *Abies balsamea*
 098541 *Acer rubrum*
Acer saccharum
 8 *Acer spicatum*
Betula lutea
Betula papyrifera
 7543 *Amelanchier*

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

- 27 *Pinus strobus*
 0 *Populus tremuloides*
Prunus pensylvanica
Prunus serotina
 87 *Thuja occidentalis*
Tilia americana
Tsuga canadensis
 5 *Prunus virginiana*

SHRUBS

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

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

- 0987654321 *Rubus parviflorus*
Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

HERBS

- Actaea pachypoda*
 2 *Actaea rubra*
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
 01 *Anemone quinquefolia*
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
 964 *Aralia nudicaulis*
Arisaema atrorubens
 7654321 *Aster macrophyllus* 890
 321 *Athyrium filix-femina*
Botrychium virginianum
 3 *Carex pensylvanica*
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
 9 *Clintonia borealis*
Coptis groenlandicum
Corallorhiza maculata
 76 *Cornus canadensis*
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
 9 *Dryopteris disjuncta*
Dryopteris phegopteris

- Dryopteris spinulosa*
Epigaea repens
Epilobium angustifolium
 6 *Equisetum sylvaticum*
Erythronium americanum
Fragaria vesca
 61 *Fragaria virginiana*
Galium aparine
 0431 *Galium triflorum*
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
 76 *Linnaea borealis*
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
 09876543 *Maianthemum canadense*
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

- 021 *Mitella nuda*
Monotropa uniflora
 2 *Osmorhiza claytoni*
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
 7653 *Pteridium aquilinum*
 06 *Pyrola elliptica*
Pyrola rotundifolia
 43 *Pyrola secunda*
Ranunculus acris
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
 8 *Streptopus roseus*
Tiarella cordifolia
 3 *Trientalis borealis*
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
 3 *Viola cucullata*
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

Additional species

Moss 1346890
Lichen
Origanum sp. 1
Carex acutata 126

Sanicula mar 149
Thymus 1
Impatiens 2
Oryzopsis sp. 57

Moneses uniflora 9
Carex pedunculata 90

1 *Viola conspersa*
 2 *Trillium cornutum*
 5 *Pyrola asarifolia*

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 76 (2)

TREE SEEDLINGS

- 654321 Abies balsamea 80
Acer pensylvanicum
0872 Acer rubrum
Acer saccharum
03 Acer spicatum
Betula lutea
Betula papyrifera
2 Amelanchier

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

- 8 Pinus strobus
81 Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis
8 Pyrus amer

SHRUBS

- Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
83 Corylus cornuta
71 Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
4 Lonicera canadensis
3 Lonicera hirsutum
7 Cornus rugosa

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

- 9767321 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
0643 Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
5321 Aralia nudicaulis
Arisaema atrorubens
875421 Aster macrophyllus 9
Athyrum filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
Circaea alpina
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Coptis groenlandicum
1 Corallorhiza maculata
Cornus canadensis
Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

- Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
43 Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
0654 Galium triflorum
Gaultheria hispida
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
5 Hieracium aurantiacum
Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
098754321 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

- 0643 Mitella nuda
Monotropa uniflora
6 Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
063 Streptopus roseus
Tiarella cordifolia
31 Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

Additional species

Mosses 12345679
Lichens
Carex pedunculata 3590
Trillium commune 6

Sambucus racemosa 60
Prunella 0
Empetrum nigrum 9
Potentilla canadensis 0