



An impending water crisis in Canada's western prairie provinces

<https://archives.whyte.org/en/permalink/catalogue24934>

Author: Schindler, D.W.
Donahue, W.F.

Responsibility: D.W. Schindler
W.F. Donahue

Publisher: Proceedings of the National Academy of Sciences of the United States of America

Published Date: 2006

Physical Description: 6 pages ; illustrations , maps

Medium: Library - Book (including soft-cover and pamphlets)

Subjects: Water
Watersheds
Climate
Climate change
Climatology
Western Canada
Glaciers
Rivers
Lakes

Abstract: Canada is usually considered to be a country with abundant freshwater, but in its western prairie provinces (WPP), an area 1/5 the size of Europe, freshwater is scarce. European settlement of the WPP did not begin until the late 19th and early 20th centuries. Fortuitously, the period since European settlement appears to have been the wettest century of the past two millennia. The frequent, long periods of drought that characterized earlier centuries of the past two millennia were largely absent in the 20th century. Here, we show that climate warming and human modifications to catchments have already significantly reduced the flows of major rivers of the WPP during the summer months, when human demand and in-stream flow needs are greatest. We predict that in the near future climate warming, via its effects on glaciers, snowpacks, and evaporation, will combine with cyclic drought and rapidly increasing human activity in the WPP to cause a crisis in water quantity and quality with far-reaching implications.

Notes: In PNAS May 9, 2006 103 (19) 7210-7216

Call Number: 03.5 Sc1a PAM

Collection: Archives Library

URL Notes: Available online via PNAS's website

Websites

<https://www.pnas.org/content/103/19/7210> 



Andy Russell Career Scrapbook

<https://archives.whyte.org/en/permalink/descriptions5726>

Part Of: Andy Russell fonds
Description Level: 5 / File
Fonds Number: M153 / S43 / V555
Sous-Fonds: M153
Sub-Series: VII Russell family series
Accession Number: 5777
Reference Code: M153 / 575
GMD: Scrapbook
Date Range: 1947-1961
Physical Description: 3 cm of textual records (28 pages ; 31.5 x 35.5 cm)

History /

Biographical:

See fonds level description.

Scope & Content:

File consists of a scrapbook of newspaper clippings pertaining to the life and career of Andy Russell. Also includes an invitation presented to Russell from the Winnipeg Game and Fish Association and newspaper clippings pertaining to Cleo Mowers' career.

Name Access: Russell, Andy
Mowers, Cleo
Subject Access: Academics
Administration
Backpacking
Biographical
Climatology
Conservation
Ecology
Education
Environment and Nature
Forestry
Horseback riding
Personal and Professional Life
Photography
Natural history
Natural resources
Wildlife
Wildlife fatalities

Geographic Access:	Banff
	Lake Louise
	Jasper
	Banff National Park
	Jasper National Park
	Yoho National Park
	Kootenay National Park
	Alberta
	British Columbia
	Canada
Language:	English
Conservation:	Blank pages not scanned
Finding Aid:	Access by advance appointment only
Creator:	Russell, Kay
Title Source:	Title based on item.
Processing Status:	Processed

Electronic Resources

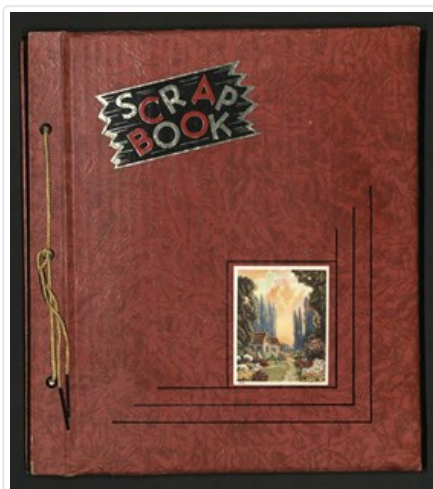


m153_575_pdf.pdf

 Read PDF

 Download PDF

Images



This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Banff flood hazard study : bow river and forty mile and echo creeks

<https://archives.whyte.org/en/permalink/catalogue14692>

Author: North Hydraulic Consultants Ltd

Responsibility: prepared for Albert Environment and Sustainable Resource Development
; prepared by Northwest Hydraulic Consultants Ltd

Publisher: Edmonton, Alberta : Northwest Hydraulic Consultants Ltd

Published Date: 25 March 2013

Physical Description: 6 pages

Medium: Library - Book (including soft-cover and pamphlets)

Series: NHC project No. 100047

Subjects: Alberta
Bow River
Climate
Climatology
Disasters
Floods

Notes: Photocopy of the original report
Report written three months before the major flood in Southern Alberta on
June 20, 2013

Call Number: 03.5 N82b Pam

Collection: Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Banff Wind Storm. -- 1957-1960

<https://archives.whyte.org/en/permalink/descriptions1253>

Part Of: Bruno Engler fonds
Description Level: 5 / File
Series: II.A. Main file: Alphabetical files
Reference Code: V190 / II.A.ii. - 8
Physical Description: ca.22 negatives: 6 x 6 cm.
Subject Access: Climatology
Access Restrictions: Access by appointment only

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Becoming water : glaciers in a warming world

<https://archives.whyte.org/en/permalink/catalogue14438>

Author: Demuth, Michael
Responsibility: Michael Demuth
Publisher: Victoria [B.C.] : RMB
Published Date: 2012
Physical Description: ix, 135 pages : illustrations ; 19 cm
Medium: Library - Book (including soft-cover and pamphlets)
Subjects: Climate
Climatology
Glaciers
Notes: Includes bibliographical references
ISBN: 9781926855721
Accession Number: P2015-03-31
tbd
Call Number: 03.4 D4b c.1
03.4 D4b c.2
Collection: Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)

Climate change and landscape in the Canadian Rocky Mountains

<https://archives.whyte.org/en/permalink/catalogue25284>



Author: Rutter, Nat
Coppold, Murray
Rokosh, Dean

Responsibility: The Burgess Shale Geoscience Foundation
Nat Rutter
Murray Coppold
Dean Rokosh

Edition: Revised Second Edition

Publisher: Field, B.C. : Burgess Shale Geoscience Foundation

Published Date: 2006

Physical Description: 137 pages : illustrations (chiefly color), maps, portraits

Medium: Library - Book (including soft-cover and pamphlets)

Subjects: Glaciers
Climatology
Climate change
Environment
Environmental conservation
Geography
Geology

Abstract: Climate change is at the forefront of public consciousness today. Political initiatives to combat the social and economic effects of changing climate will affect the lives of everyone. Media reports often portray climate scenarios and the range of uncertainty accompanying predictions. How does a reader approach the science behind the headlines? The goal of this book is to explain climate change science by examining the recent Ice Age history so spectacularly exposed in the Canadian Rocky Mountains landscape. Local and global sources of paleoclimate information are combined with dating techniques to unravel the glacial history of the Rockies over the last 30,000 years. The illustrated road log guide can be used by the armchair reader or the traveller to visit the landscape features essential to the interpretation. The Burgess Shale Geoscience Foundation is a non-profit charitable organization dedicated to increasing public understanding of the geosciences. Its teaching themes demonstrate the use of physics, biology, chemistry and mathematics in solving science questions and problems. The diverse program includes public lectures, teacher workshops, school programs and guided hikes. The Foundation conducts educational hikes to the Burgess Shale soft-bodied fossil deposit and the Mt. Stephen trilobite beds, both UNESCO World Heritage sites in Yoho National Park.

(From Good Reads)

Contents: Introduction -- Archives of Climate Change -- Dating the Archives -- Extracting Climate Information -- Interpreting the Last Ice Age -- Finding Climate Change in the Rockies -- Glaciation in the Banff-Jasper Area -- Road Log Guide to Landscape Features -- Short Term Climate Change - - Future Climate Change -- Road Log Stop Coordinates.


Notes: Sponsored by the CSPG Foundation

ISBN: 9780978013219

Accession Number: P2020.07

Call Number: 03.2 R93c
03.2 R93c Reference copy
Collection: Archives Library
URL Notes: Further research

Websites

https://www.researchgate.net/publication/259496447_Climate_Change_and_Landscape_in_the_Canadian_Rocky_Mountains 

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Current serials in the library of the Scott Polar Research Institute

<https://archives.whyte.org/en/permalink/catalogue12014>

Author: Scott Polar Research Institute
Publisher: Cambridge
Published Date: 1972
Physical Description: 47p
Medium: Library - Book (including soft-cover and pamphlets)
Subjects: Climatology
Glaciers
Accession Number: 597
Call Number: R 03.5 Sco3
Collection: Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Ecological and earth sciences in mountain areas

<https://archives.whyte.org/en/permalink/catalogue13148>

Responsibility: edited by Leslie Taylor, Kathy Martin, David Hik and Anne Ryll
Publisher: Banff : Banff Centre
Published Date: 2002
Physical Description: 296 p. : ill
Medium: Library - Book (including soft-cover and pamphlets)
Series: Mountain communities conference series
Subjects: Birds
Climatology
Floods
Olympic games
Pollution
Notes: Proceedings of conference held at The Banff Centre, September 6-10, 2002
Includes bibliographic references and index
Accession Number: 7645
Call Number: 04 M86b 2002
Collection: Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



Ecology of alpine larch (*Larix Lyalli* Parl.) in the Pacific Northwest

<https://archives.whyte.org/en/permalink/catalogue6572>

Author: Arno, Stephen Francis
Publisher: Ann Arbor (MI) : Xerox University Microfilms
Published Date: 1975
Physical Description: ix, 264p. : ill., maps
Medium: Library - Book (including soft-cover and pamphlets)
Subjects: Climatology
Trees
Vegetation
Notes: Thesis, Ph.D., University of Montana, 1970
Bibliography
Accession Number: 8000
Call Number: 04.1 Ar6
Collection: Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)



The flood of 2013 : a summer of angry rivers in southern Alberta

<https://archives.whyte.org/en/permalink/catalogue14439>

Author:	Calgary Herald
Responsibility:	by the Calgary Herald ; foreword by Naheed Nenshi
Publisher:	Toronto : Greystone Books
Published Date:	2013
Physical Description:	130 pages, 5 pages of plates : chiefly illustrations (colour), maps (colour) ; 23 cm.
Medium:	Library - Book (including soft-cover and pamphlets)
Subjects:	Alberta Climate Climatology Disasters Floods
Notes:	The staff at the Calgary Herald wrote the text and took and compiled the photographs. Contains: The raging waters -- Devastation and destruction -- The cleanup -- Helping hands and heroes -- How Albertans saw it -- Hell or high water.
ISBN:	9781771640305
Accession Number:	P2015-03-31
Call Number:	03.5 C3f
Collection:	Archives Library

This material is presented as originally created; it may contain outdated cultural descriptions and potentially offensive content. [Read more.](#)