

The Polar Data Catalogue

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Canadian Cryospheric Information Network
University of Waterloo, Ontario

www.polardata.ca

BREA Results Forum
Inuvik, NT
20 February 2013

History

- * **Canadian Cryospheric Information Network**
- * **Begun in mid-1990's** as a partnership between Ellsworth LeDrew/University of Waterloo, Canadian Space Agency, Meteorological Service of Canada/Environment Canada, Natural Resources Canada, Noetix Research, others
- * To provide **data management and access** for the Canadian cryospheric community, in particular, the NASA EOS CRYSYS (Cryosphere System in Canada) program
- * Hosted **100's of data sets, and satellite imagery**

Polar Data Catalogue

- * **Data archive and public access portal** for polar research data and information, primarily northern Canada
- * **Launched 2007**
- * Metadata at first, now adding data
- * From projects on **natural environment, social sciences, health, policy, etc.**
- * Data and metadata from ArcticNet, Canadian International Polar Year (IPY), Circumpolar Biodiversity Monitoring Program, Environment Canada, Inuit Tapiriit Kanatami, Northern Contaminants Program, others
- * **PDC has been chosen as the data repository for BREAA!**

PDC Search

POLAR DATA CATALOGUE

Polar Data Catalogue Geospatial Search Home | Help Manual | PDCLite Low-bandwidth Search v. 2.2.4

Arctic Antarctic

Choose a Data Collection to Search:

- Polar Data Catalogue** [View More Info...](#)
- RADARSAT Polar Science Dataset** [View More Info...](#)

Map courtesy of the NSIDC

PDC Lite Search



Polar Data Catalogue Lite

v. 1.0.0

Welcome to the Polar Data Catalogue Lite!

Do you want to know what research is taking place around your community? You can search the PDC Lite by (1) selecting a Region or Community on the map at right, (2) selecting a Region and Community from the menus below, or (3) manually entering Longitude and Latitude. The Search Distance tells how far around a community to search.

Searches can also be done with Research Program and/or Keyword.

Region:

Inuvialuit

Community:

Inuvik

Search Distance (km):

250

Longitude:

Latitude:

Research Program:

-- CHOOSE ONE --

Keyword:

SEARCH

CLEAR

Local Results

Local Results show metadata which lie completely within the Search Distance. If you want to see metadata that cover a larger area, click on Global Results.

Global Results

Title	Creator	Field Site	Start Date
Interview and focus group data on interge...	Metadata Librarian	Aklavik, NWT...	2009-09-01
Geophysical Data of Mass Ground Ice ...	Heather Cray	Parsons Lake...	2009-07-24
Evaluating the Effectiveness of Convection...	Martin Tremblay - PDC	Inuvik, North...	2009-04-01
Title: Evaluating the Effectiveness of Convection on Adfreeze Piles for the Western Arctic Research Centre			
Spring River Ice Breakup Monitoring in th...	Jennifer Nafziger	Mackenzie D...	2008-05-23
Chemical Speciation of Methylmercury in ...	Ashley Gaden	Hendrickson I...	2008-05-01
Tuktoyaktuk Hunters Perceptions of Chan...	Metadata Librarian	Tuktoyaktuk, ...	2008-01-01
Teet'it Gwich'in elder interview transcript...	Metadata Librarian	Fort McPhers...	2007-09-01
Community-Based Monitoring of Beluga ...	Steven Ferguson	Hendrickson I...	2007-07-01
Long and short term carbon (C) accumula...	Natalia Startsev	Mackenzie V...	2007-01-02
Homelessness, housing insecurity and hu...	Dawn Bazely	Yellowknife a...	2007-01-01
Title: Homelessness, housing insecurity and human security in the Northwest Territories			
Bacterial production transect of the Mack...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Nutrient transect of the Mackenzie River, ...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Optical and organic matter characteristics...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Picoplankton communities in the Macken...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Protist community of the Mackenzie River ...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Spectral characteristics of Mackenzie Rive...	Warwick Vincent	Mackenzie Ri...	2004-07-24
pCO2 transect in the Mackenzie River and ...	Warwick Vincent	Mackenzie Ri...	2004-07-24
Meio- and macrobenthos, and related bott...	CBMP Program	Tuktoyaktuk ...	1985-03-01
Zooplankton, and larval and post larval fis...	CBMP Program	Tuktoyaktuk ...	1985-01-01
Title: Zooplankton, and larval and post larval fish data from Tuktoyaktuk Harbour, N.W.T., 1984 to 1987 (NOGAP B2)			
Statistical analysis of Tuktoyaktuk harbou...	CBMP Program	Tuktoyaktuk ...	1980-07-01
Fish, aquatic invertebrates and plankton d...	CBMP Program	Tuft Point, 40 ...	1977-07-01
Fishes of the outer Mackenzie River Delta	CBMP Program	Mackenzie Ri...	1974-06-01

PDC Lite Search

Welcome to the Polar Data Catalogue Lite!

Do you want to know what research is taking place around your community? You can search the PDCLite by (1) selecting a Region or Community on the map at right, (2) selecting a Region and Community from the menus below, or (3) manually entering Longitude and Latitude. The Search Distance tells how far around a community to search.

Searches can also be done with Research Program and/or Keyword.

Region:

Select a Region ▾

Community:

Select a Community ▾

Search Distance (km):

100 ▾

Longitude:

Latitude:

Research Program:

-- CHOOSE ONE -- ▾

Keyword:

SEARCH

CLEAR

Metadata Record

back

Title of data :

Evaluating the Effectiveness of Convection on Adfreeze Piles for the Western Arctic Research Centre

Study Site:

Inuvik, Northwest Territories, Canada

Research Programs :

APAN-AAANDC-Adaptation Program for
Aboriginals and Northerners

Citation :

Unpublished; TBD

Originators :

Aurora Research Institute
Aurora Research Institute

Links to data :

<http://www.nwtresearch.com/>

Access

Constraints : Public

Purpose :

This project focused on research and monitoring for initiatives in infrastructure adaptation to permafrost changes. The specific objectives of the project were: - To test the effectiveness of convection piles to prevent permafrost degradation; - To compare convection piles, adfreeze piles, and the absence of piles in term of ground temperature; and - To document the installation of convection piles.

Abstract :

A trial was performed in which test convection piles were installed, and ground temperature was monitored. The results were/will be compared to those of different types of piles in order to determine the effectiveness of convection piles in preventing permafrost melt. Data loggers will be downloaded each spring to collect yearly data for comparison.

Keywords :

Northwest Territories
Inuvik
Infrastructures
Permafrost
Adaptation
Climate change
Monitoring

Temporal Coverage :

Start Year:	2009	End Year:	2010
Start Month:	Apr	End Month:	Mar
Start Day:	1	End Day:	31

Spatial Domain :

North: 68.38
South: 68.33
West: -133.75
East: -133.68

Creator :

Martin Tremblay - PDC
Aboriginal Affairs and Northern Development Canada
25, Eddy
QC, Canada, K1A 0H4
adaptation@aadnc-aandc.gc.ca

For further details, FGDC-compliant Metadata for this record can be found [HERE](#).



BREA in PDC

- * BREA metadata (project descriptions, contact information)
 - * Sonar and acoustic data
 - * Ice thickness and motion
 - * Ocean currents
 - * Water properties
 - * Sea ice modelling
 - * Isotopes in food webs (fish and invertebrates)
 - * Fish habitat
- * BREA data: Sea Ice Thickness in Southern Beaufort Sea
- * **I am here to help researchers prepare and submit their metadata and data!**

Sharing Data

Yukon Research Centre

Circumpolar Biodiversity Monitoring Program

Norwegian Meteorological Institute

US National
Snow and Ice
Data Center

PDC/CCIN

Scholars Portal/U. of Toronto

Inuit Qaujisarvingat

PDC Search - RADARSAT

POLAR DATA CATALOGUE

Polar Data Catalogue Geospatial Search Home | Help Manual | PDCLite Low-bandwidth Search v. 2.2.4

Arctic Antarctic

Collections

Choose a Data Collection to Search:

- Polar Data Catalogue**
[View More Info...](#)
- RADARSAT Polar Science Dataset** ←
[View More Info...](#)

Map courtesy of the NSIDC

PDC Data/Metadata Input



julie.fridell@uwaterloo.ca [you are an approver]

v. 3.4.0

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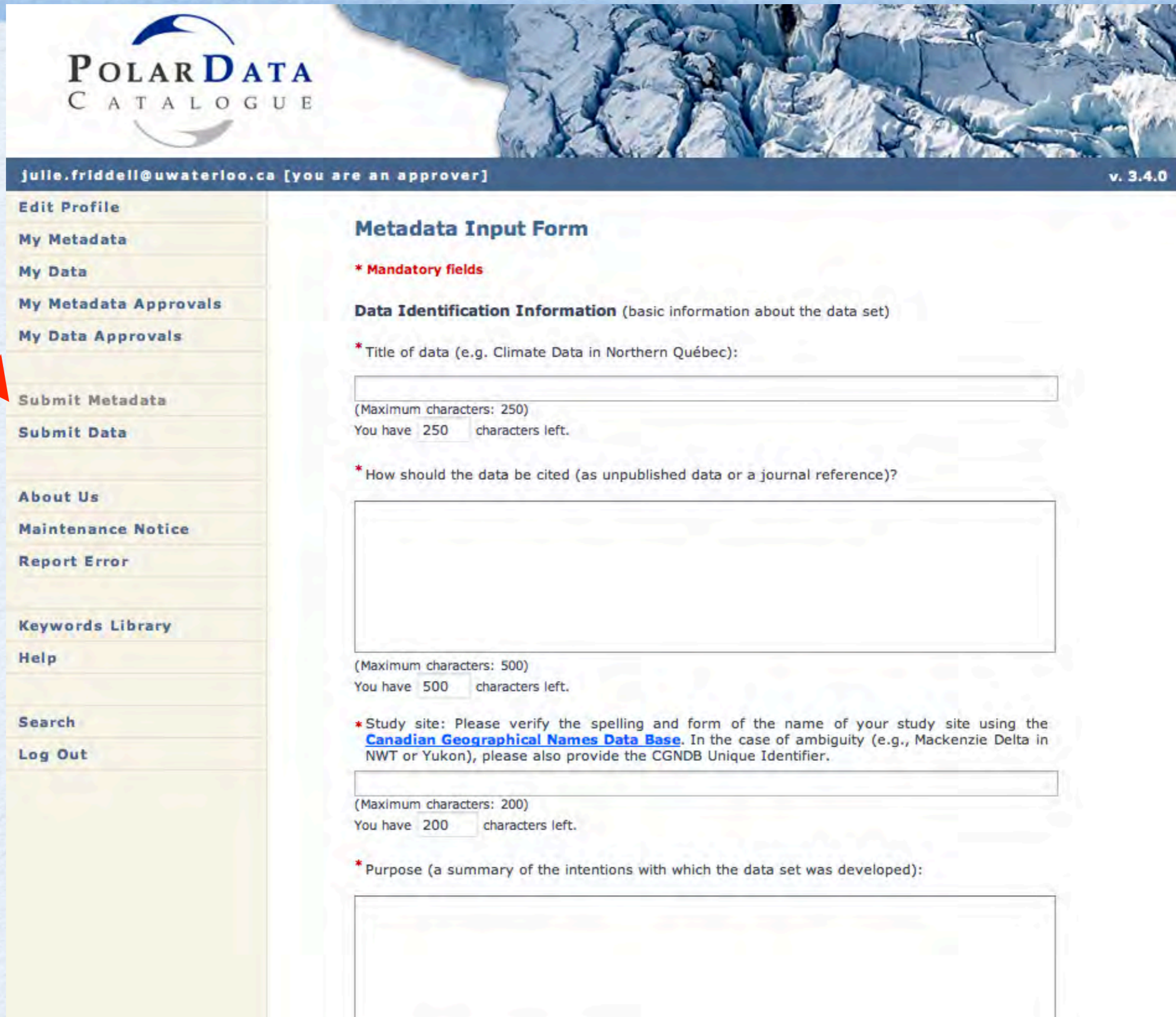
[Search](#)

[Log Out](#)

My Metadata Approvals

	CCIN Ref ...	Title	Creator	Status	Created	Last Mo...	Data Uploa...
<input type="checkbox"/>	9939	2007-2012 Active L...	Scott Lamo...	RESUB...	2010-0...	2013-0...	No
<input type="checkbox"/>	11635	2007-2012 West Ri...	Scott Lamo...	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	11583	2009 River Dissolve...	Melissa Lafr...	RESUB...	2013-0...	2013-0...	No
<input type="checkbox"/>	11623	Cloud Thermal Prop...	David Barber	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	11624	All-sky Camera Ima...	David Barber	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	11622	Radiative Forcing Jo...	David Barber	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	11620	RADARSAT-1 Polar ...	CCIN Admi...	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	1408	Understanding the ...	Luise Herm...	RESUB...	2008-1...	2013-0...	No
<input type="checkbox"/>	1405	Open-Top Chamber...	Luise Herm...	RESUB...	2008-1...	2013-0...	No
<input type="checkbox"/>	9889	2003-2010 Climate...	Scott Lamo...	REAPPR...	2010-0...	2013-0...	No
<input type="checkbox"/>	558	Climate data, West ...	Scott Lamo...	REAPPR...	2007-1...	2013-0...	No
<input type="checkbox"/>	9885	2003-2012 Climate...	Scott Lamo...	REAPPR...	2010-0...	2013-0...	Yes
<input type="checkbox"/>	9883	2003-2012 Climate...	Scott Lamo...	REAPPR...	2010-0...	2013-0...	No
<input type="checkbox"/>	554	2007 Moored CTD, ...	Scott Lamo...	REAPPR...	2007-1...	2013-0...	No
<input type="checkbox"/>	9825	2008 Cape Bounty ...	Scott Lamo...	REAPPR...	2010-0...	2013-0...	No
<input type="checkbox"/>	9879	2003-12 Sediment ...	Scott Lamo...	REAPPR...	2010-0...	2013-0...	No
<input type="checkbox"/>	11584	2009 River Dissolve...	Melissa Lafr...	APPROV...	2013-0...	2013-0...	No
<input type="checkbox"/>	11593	2007-2008 Soil Moi...	Melissa Lafr...	APPROV...	2013-0...	2013-0...	No
<input type="checkbox"/>	1396	Weather station rec...	Luke Copland	RESUB...	2008-1...	2013-0...	No
<input type="checkbox"/>	11581	2009 East and Wes...	Melissa Lafr...	APPROV...	2013-0...	2013-0...	No
<input type="checkbox"/>	11580	2008 Experimental ...	Melissa Lafr...	APPROV...	2013-0...	2013-0...	No
<input type="checkbox"/>	11582	2009 Subcatchme...	Melissa Lafr...	APPROV...	2013-0...	2013-0...	No
<input type="checkbox"/>	306	Water column phys...	Warwick Vin...	REAPPR...	2007-0...	2013-0...	Yes
<input type="checkbox"/>	10917	Water column phot...	Warwick Vin...	REAPPR...	2011-1...	2013-0...	Yes
<input type="checkbox"/>	10930	Water column che...	Warwick Vin...	REAPPR...	2011-1...	2013-0...	Yes
<input type="checkbox"/>	11569	Local Environmenta...	ArcticNet D...	SUBMI...	2013-0...	2013-0...	No
<input type="checkbox"/>	72	Climate data, West ...	Scott Lamo...	REAPPR...	2007-0...	2013-0...	No

PDC Data/Metadata Input



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julle.friddell@uwaterloo.ca [you are an approver] v. 3.4.0

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- My Data
- My Metadata Approvals
- My Data Approvals
- Submit Metadata**
- Submit Data
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Metadata Input Form

*** Mandatory fields**

Data Identification Information (basic information about the data set)

* Title of data (e.g. Climate Data in Northern Québec):

(Maximum characters: 250)
You have 250 characters left.

* How should the data be cited (as unpublished data or a journal reference)?

(Maximum characters: 500)
You have 500 characters left.

* Study site: Please verify the spelling and form of the name of your study site using the [Canadian Geographical Names Data Base](#). In the case of ambiguity (e.g., Mackenzie Delta in NWT or Yukon), please also provide the CGNDB Unique Identifier.

(Maximum characters: 200)
You have 200 characters left.

* Purpose (a summary of the intentions with which the data set was developed):

PDC Data/Metadata Input

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Upload Data

CCIN Ref No : 758

Please select file to upload:

no file selected

Maximum file size 200MB. Maximum file name length 200 characters.
Please avoid special characters in file names (/,\,;,',",=#,%&,+,?).

CCIN CANADIAN CRYOSPHERIC INFORMATION NETWORK | Links of Interest to Northerners | Canadian IPY Publications | Canadian NCP Publications | ArcticNet | © CCIN 2012

CCIN Outreach Website

CCIN CANADIAN CRYOSPHERIC INFORMATION NETWORK

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The Canadian Cryospheric Information Network (CCIN) and the Polar Data Catalogue (PDC) have been developed over the past two decades through collaborative partnerships between the University of Waterloo and numerous government, university, and private organizations to provide the data and information management infrastructure for the Canadian cryospheric community. [Read more](#)

BULLETIN BOARD

January 2013: To provide direct access to the Polar Data Catalogue online applications, we have modified the configuration of our websites. From now on, [ccin.ca](#) and [socc.ca](#) will take you to the CCIN outreach and information site, and [polardata.ca](#) will take you to the PDC main page, from which the [PDC Metadata/Data Input application](#), the [PDC Geospatial Search application](#), and the [PDCLite Low-Bandwidth Search](#) tool can be directly accessed.

January 2013: Anders Morley, PDC/CCIN website frequent visitor and cross-country skier, continues his cross-Canada ski trip, collecting snow and ice data for us along the way! A news article is available on the University of Waterloo's [Faculty of Environment site](#). [Read more](#)

POLAR NEWS POLAR GOOGLE

Shell Vessels Sidelined, Imperiling Arctic Plans - New York Times [↗](#)

The brothers who risked their lives in World War II Arctic Convoys - WalesOnline [↗](#)

Slumping Arctic Soils Produce Significant Amounts of CO₂ - Science Now [↗](#)

100 Words: In A Russian Arctic City - WWNO [↗](#)

Arctic Shock Super Soaker turns ice cubes into chilling blasts - DVICE [↗](#)

[more](#)

TOOLS & RESOURCES



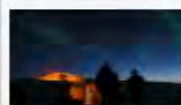
Polar Data Search [↗](#)
Data and metadata from the Arctic and Antarctic



PDCLite Search [↗](#)
PDC Search for low bandwidth connections

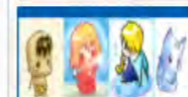


PDC Data Input Portal [↗](#)
Data and metadata repository for registered users



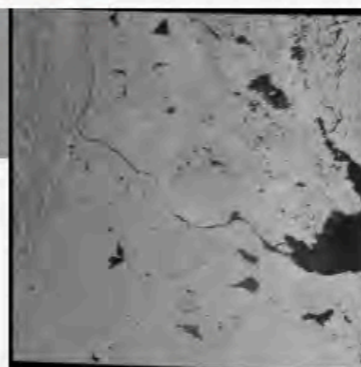
Canadian Cryosphere Watch
Information on Canada's snow and ice

FUN AND GAMES



Kids' Section
Games and learning for kids

RADARSAT IMAGE



For higher resolution images visit the [Polar Data Catalogue](#) [↗](#)

RANDOM FAQs

Close up of snow crystal photo by Luke Copland located in your website's photo gallery

[All FAQs](#)

POLAR DATA CATALOGUE polardata

[polardata #Snowtweets](#) 37 cm at N2V 1Z3

[3 days ago](#) · [reply](#) · [retweet](#) · [favorite](#)

[polardata](#) Measure snow for the Snowtweets project! In Twitter, type [#Snowtweets snow_depth](#) at your_postcode (ex., [#Snowtweets 25 cm](#) at N2L 3G1)

[4 days ago](#) · [reply](#) · [retweet](#) · [favorite](#)



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Information on Snow & Ice



CANADIAN CRYOSPHERIC
INFORMATION NETWORK



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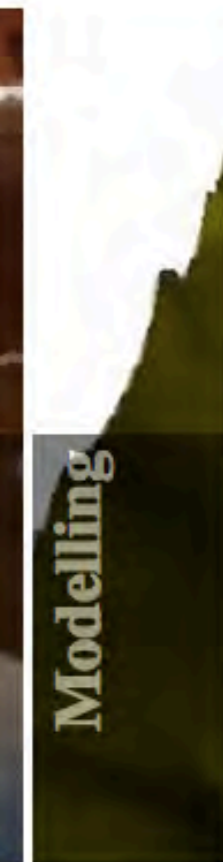
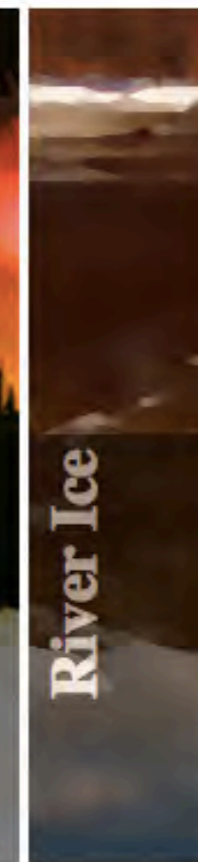
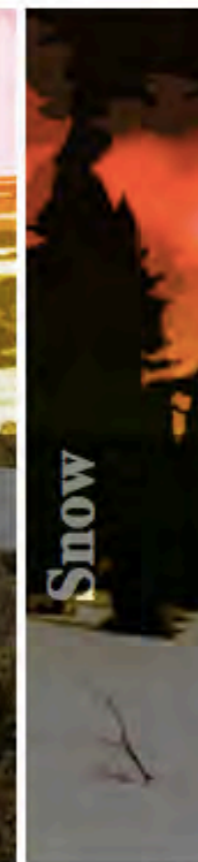
Canadian Cryosphere Watch

The **Canadian Cryosphere Watch (CCW)** pages provide information on the past, present, and future state of important cryospheric variables across Canada and the polar regions, including snow, sea ice, lake ice, river ice, glaciers, permafrost, and modelling.

Click on the image on the right to explore further.

You may need to reset cookies to view the image on the right. [Information on resetting cookies](#)

Updated on September 10, 2012.



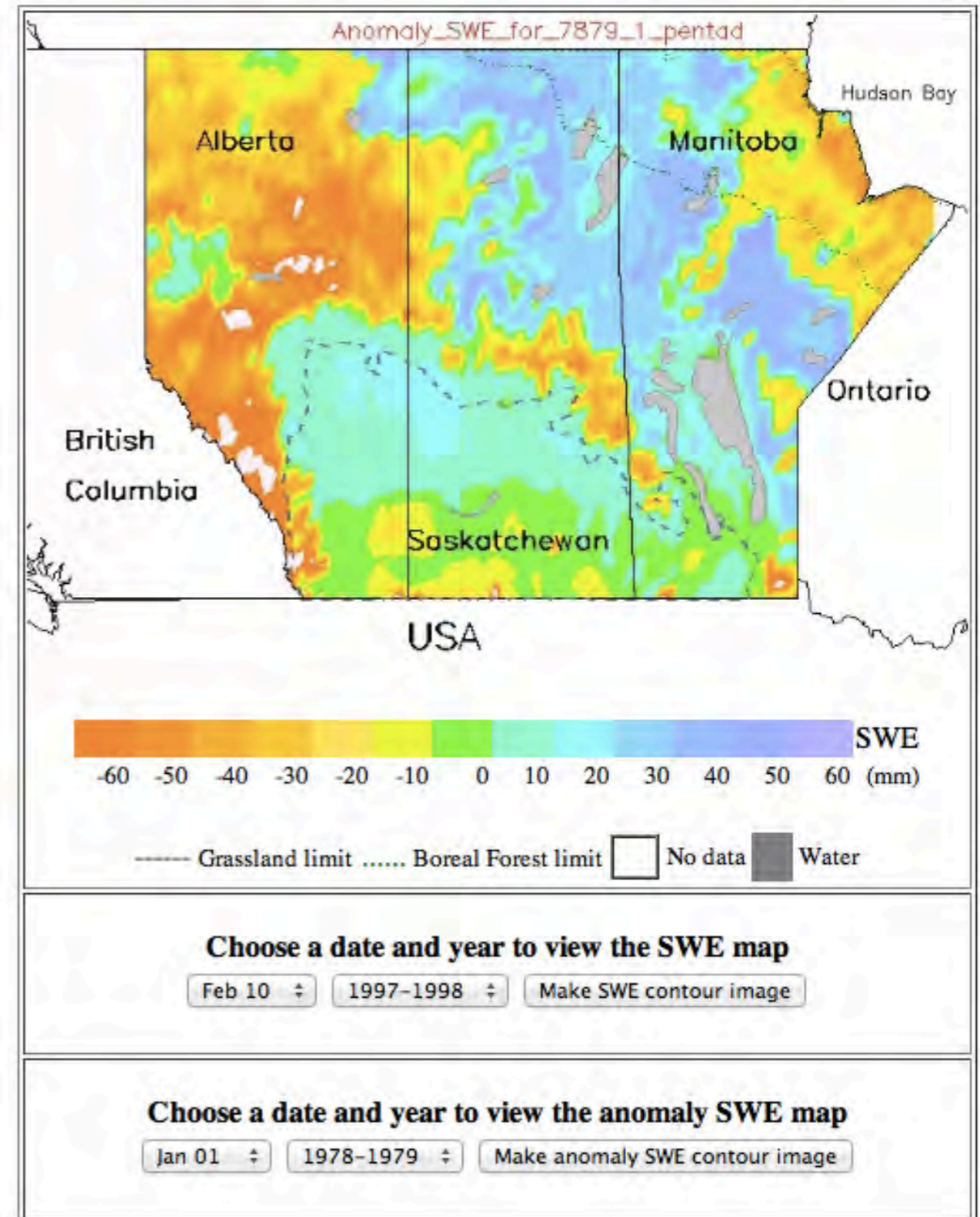
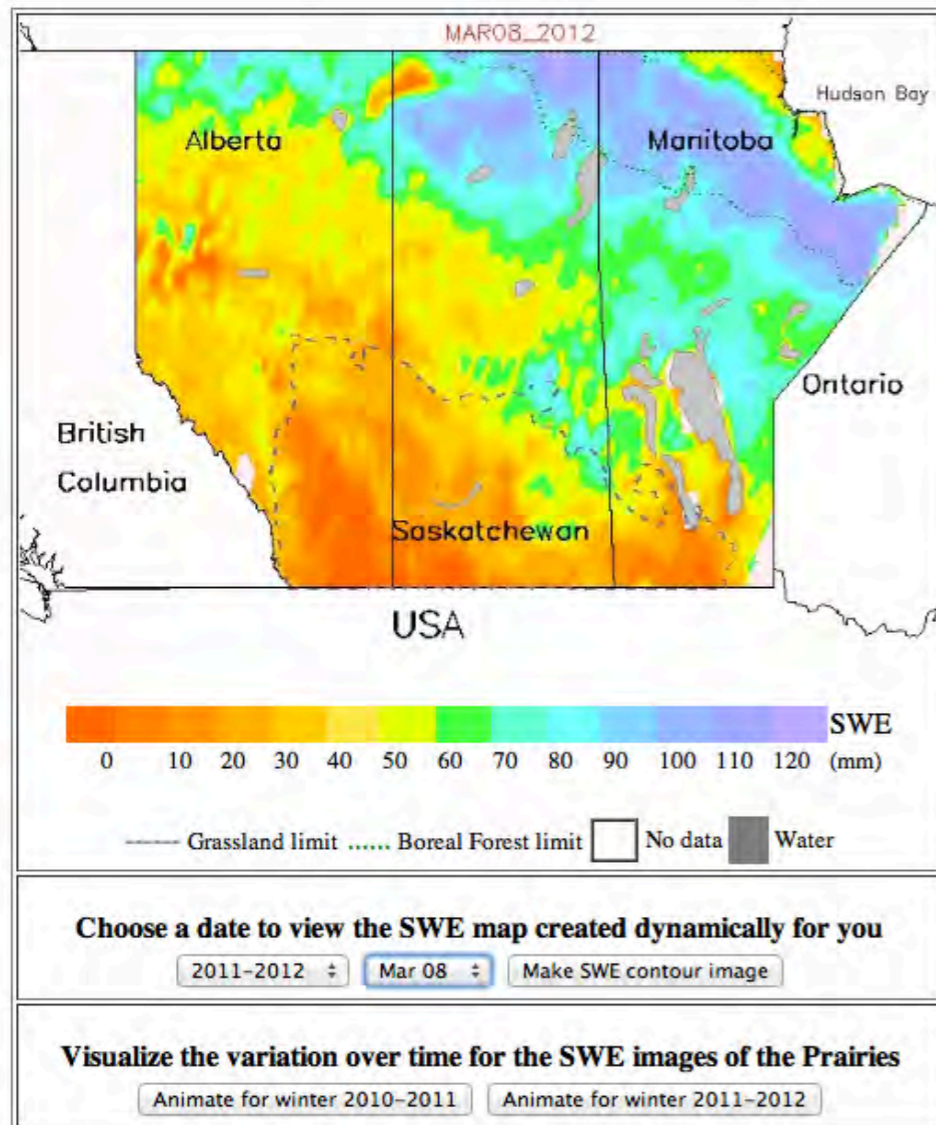
Snow data visualizations

Current Snow Cover

This page shows recent information on snow cover conditions across Canada, North America, and the globe. Click on images for additional maps.

Snow Water Equivalent for the Canadian Prairies

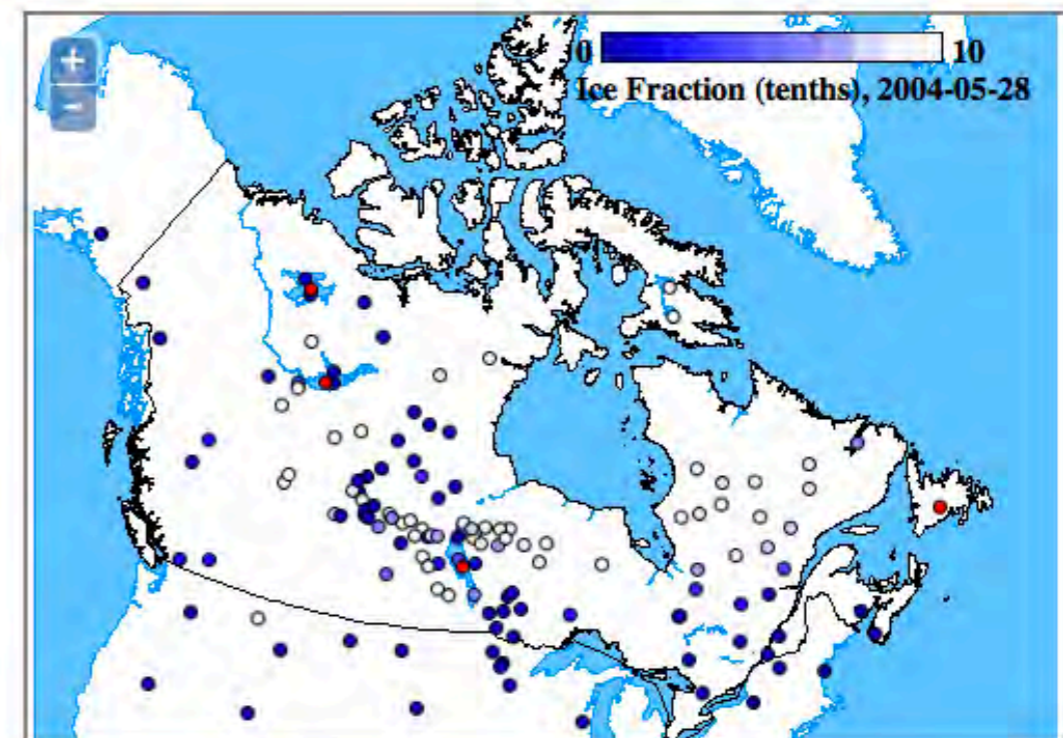
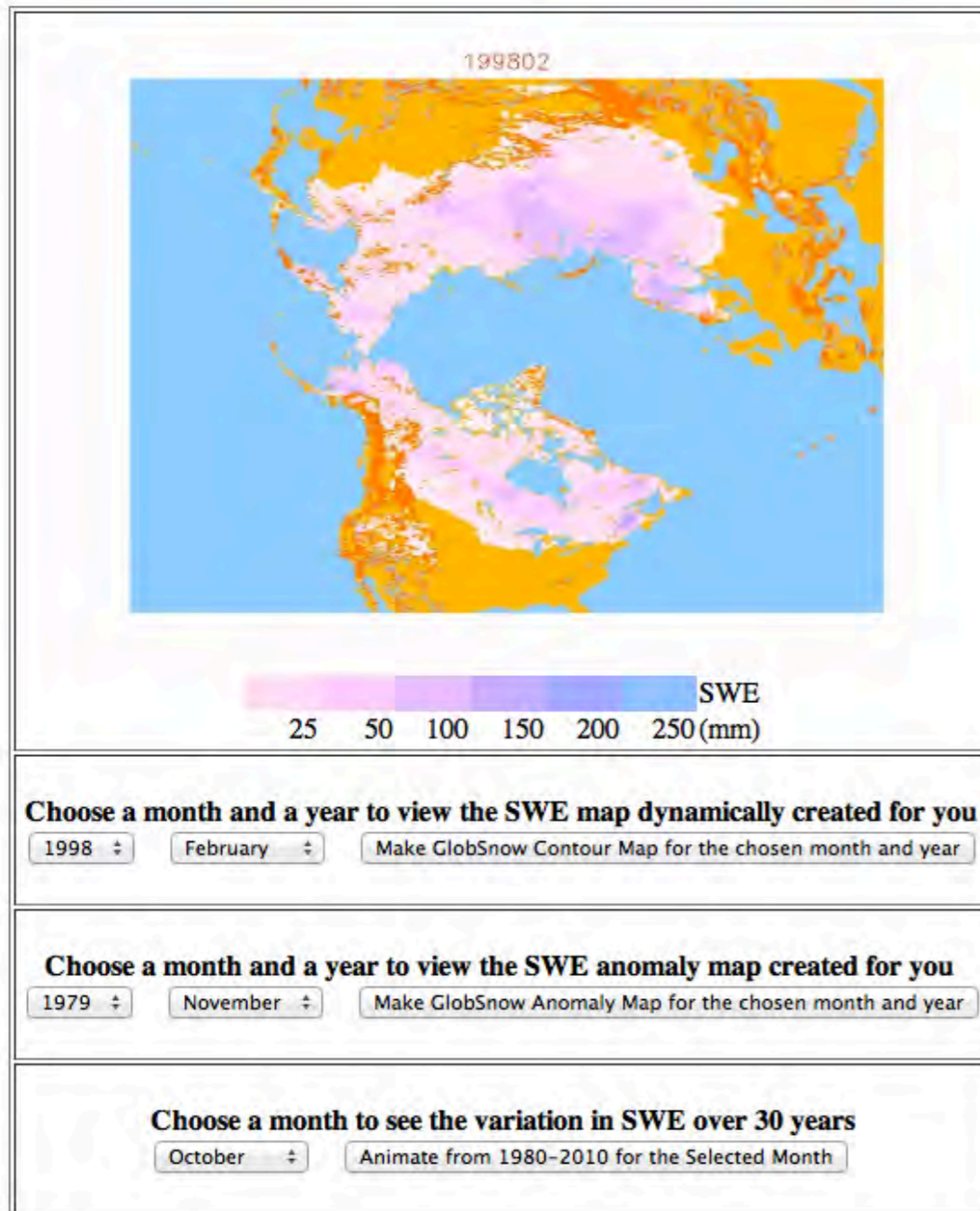
The interactive map below shows Snow Water Equivalent (SWE) for the Canadian Prairies. SWE represents the depth of water (in mm) that would be produced if the snow melted. The coloured contours show variations in SWE derived from passive microwave satellite data. Data are updated approximately weekly throughout the winter months.



Snow and Lake Ice map tools

The Canadian Ice Service (CIS) monitors more than 130 Canadian and northern US lakes via remote sensing on a regular basis. Ice coverage is measured in tenths, and from this the freeze-up and break-up dates can be determined within a \pm one week accuracy.

The interactive Lake Ice tool below shows freeze and thaw dates for a large selection of Canadian and US lakes from 2004 to the present:



Start Stop Pause Select All Clear All
 2004-04-16 2012-02-11 0.5s - Sort Lakes (Reset All) -

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Amadjuak Lake | <input checked="" type="checkbox"/> Canyon Ferry Lake | <input checked="" type="checkbox"/> Dubawnt Lake |
| <input checked="" type="checkbox"/> American Falls Reservoir | <input checked="" type="checkbox"/> Churchill Lake | <input checked="" type="checkbox"/> Edmund Lake |
| <input checked="" type="checkbox"/> Athapuskow Lake | <input checked="" type="checkbox"/> Clearwater Lake | <input checked="" type="checkbox"/> Evans Lake |
| <input checked="" type="checkbox"/> Atlin Lake | <input checked="" type="checkbox"/> Clearwater Lakes | <input checked="" type="checkbox"/> Flathead Lake |
| <input checked="" type="checkbox"/> Baker Lake | <input checked="" type="checkbox"/> Cold Lake | <input checked="" type="checkbox"/> Fort Peck Lake |
| <input checked="" type="checkbox"/> Baskatong Reservoir | <input checked="" type="checkbox"/> Cormorant Lake | <input checked="" type="checkbox"/> Gods Lake |
| <input checked="" type="checkbox"/> Becharof Lake | <input checked="" type="checkbox"/> Cree Lake | <input checked="" type="checkbox"/> Gouin Reservoir |
| <input checked="" type="checkbox"/> Big Quill Lake | <input checked="" type="checkbox"/> Cross Lake | <input checked="" type="checkbox"/> Grand Lake |
| <input checked="" type="checkbox"/> Big Trout Lake | <input checked="" type="checkbox"/> Crowduck Lakes | <input checked="" type="checkbox"/> Granville Lake |
| <input checked="" type="checkbox"/> Bistcho Lake | <input checked="" type="checkbox"/> Cumberland Lake | <input checked="" type="checkbox"/> Great Bear Lake N |
| <input checked="" type="checkbox"/> Black Birch Lake | <input checked="" type="checkbox"/> Dauphin Lake | <input checked="" type="checkbox"/> Great Bear Lake S |
| <input checked="" type="checkbox"/> Black Lake | <input checked="" type="checkbox"/> Deschambault Lake | <input checked="" type="checkbox"/> Great Bear Lake |
| <input checked="" type="checkbox"/> Caniapiscau Reservoir | <input checked="" type="checkbox"/> Dore Lake | <input checked="" type="checkbox"/> Great Slave Lake NW |

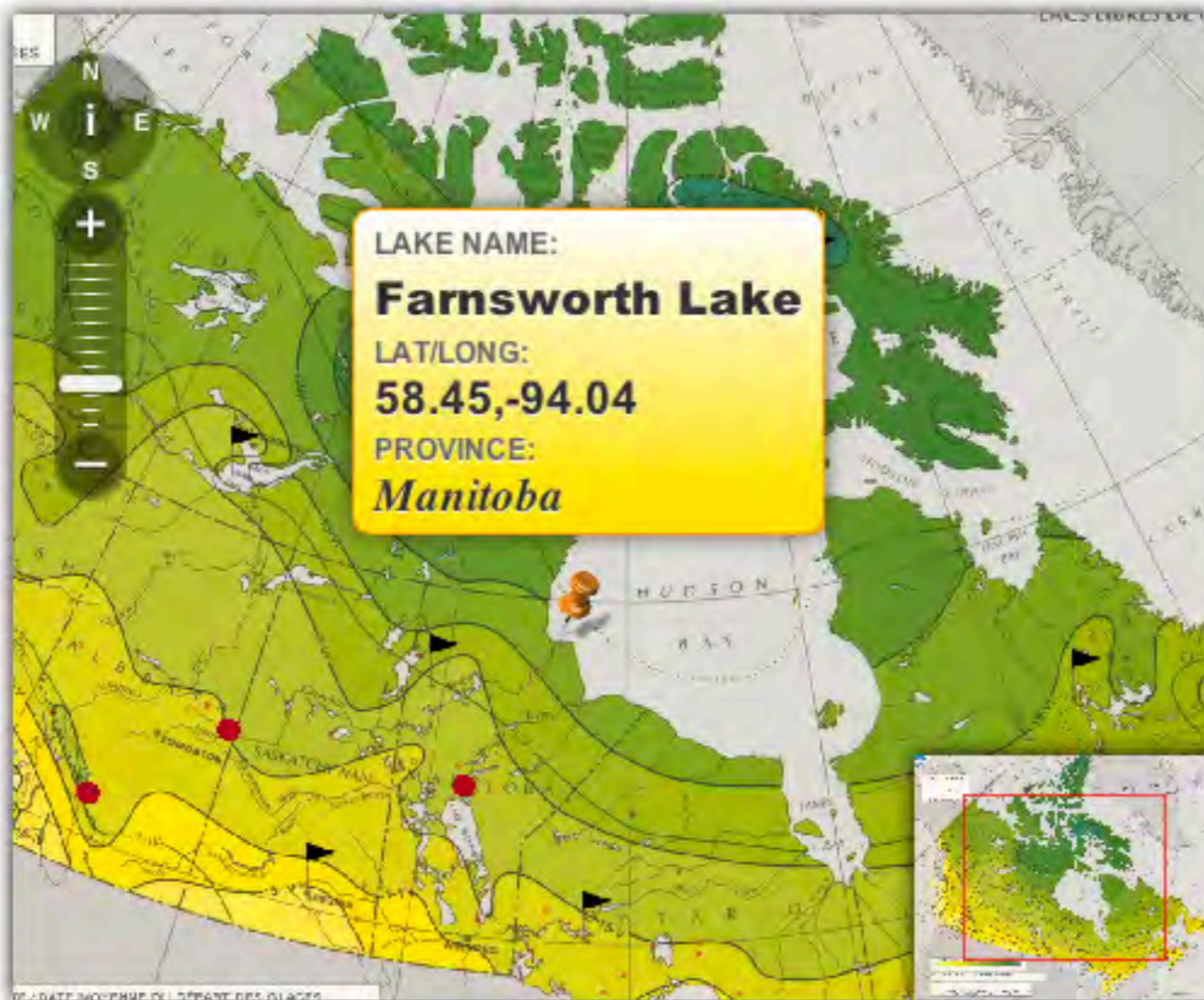
Figure 4: Interactive map of SWE for the Northern Hemisphere. The coloured contours show variations in SWE derived from passive microwave satellite data. Data are available only during the winter months, and data for some months is missing, especially early and late winter during certain years. SWE anomalies have been calculated relative to the 1979-2010 average. *Erroneous map data, such as Asia appearing covered with water, appear during some months (especially October and May), but this does not affect the SWE estimates.* Data courtesy of the European Space Agency's GlobSnow project, Finnish Meteorological Institute, current as of 24 August 2012.

Historical Lake Ice data tool

Below is a map showing freeze-up, break-up, ice thickness, and ice-on duration for a network of Canadian lake ice sites (red dots), 1822-1995. The data are based on research by Frédéric Lenormand from [Centre d'études nordiques, Université Laval](#).

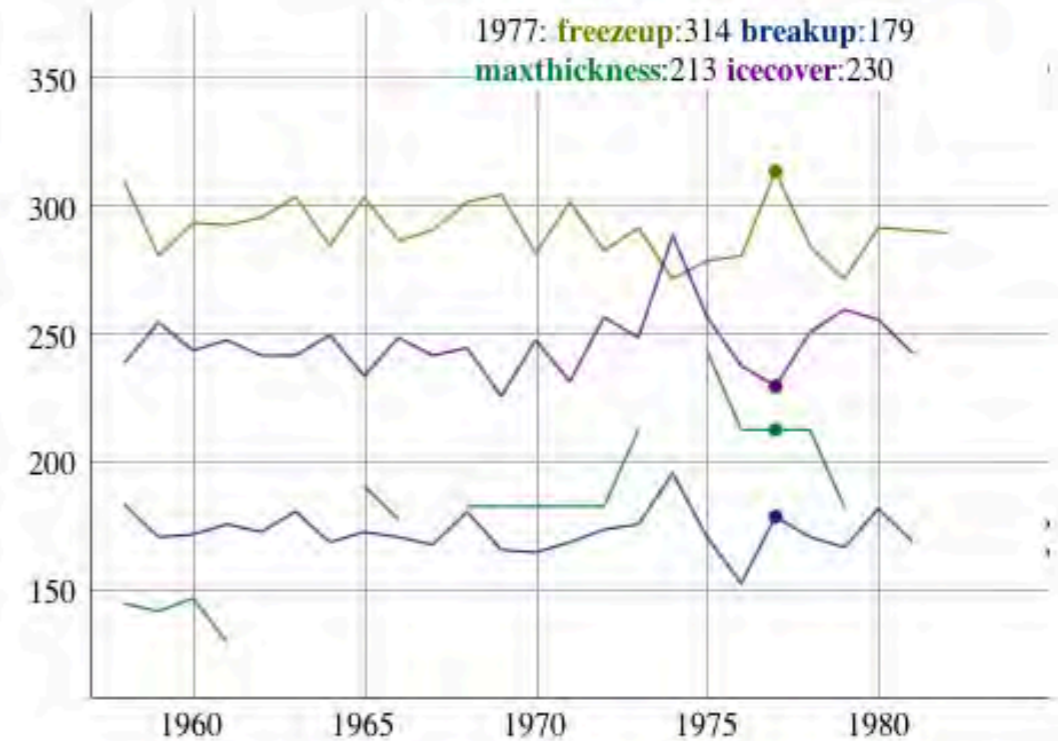
- Click on each lake on the map or in the list to view the variability of that lake's ice freeze-up, break-up, ice duration and ice thickness over the past century or more:

Map from Atlas of Canada(1978)



British Columbia Alta Lake	Saskatchewan Wascana Lake	Ontario Pelican Lake Bay of Quinte	Newfoundland Deadman's Pond	Yukon Territories Watson Lake
Alberta Cold Lake Lake Minnewanka	Manitoba Farnsworth Lake Elton Lake Little Playgreen Lake	Quebec Lake St.Jean Knob Lake	New Brunswick Lake Utopia	Northwest Territories & Nunavut Baker Lake Great Slave Lake Dewar Lakes Upper Dumbell Lakes

Farnsworth Lake



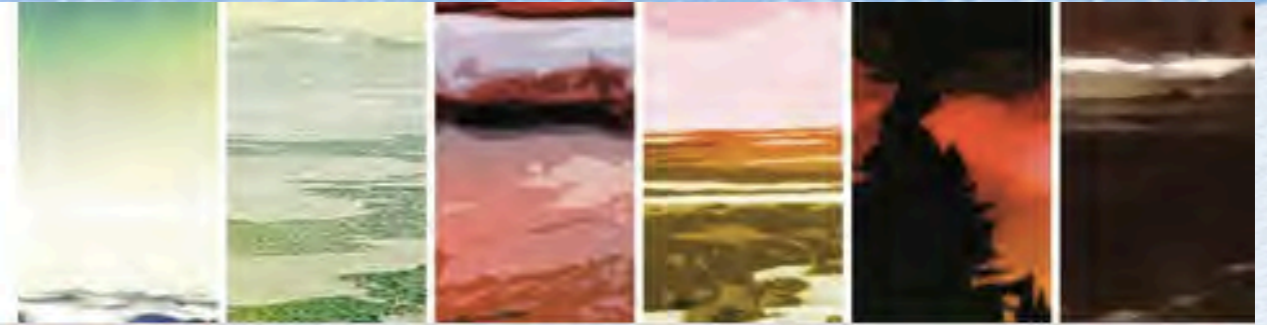
Year

- Display:
- Freeze up (Julian Days)
 - Break up (Julian Days)
 - Max Ice Thickness (cm)
 - Ice Cover (Days)

“Ask an Expert”



CANADIAN CRYOSPHERIC
INFORMATION NETWORK



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ADVISORY COUNCIL



Answered Questions

Glaciers (1)

Inquiry about glaciers and ice caps on Ellesmere Island (Nunavut)

Snow (1)

Close up of snow crystal photo by Luke Copland located in your website's photo gallery.

ASK A QUESTION

Subject: *

Question to be answered.

Categories:

- ✓ - None -
- Glaciers
- Lake Ice
- Modelling
- Permafrost
- River Ice
- Sea Ice
- Snow

CAPTCHA

This question is for preventing automated spam submissions. Please write the words that you see below in the box at the bottom, then click Submit. If you can not read the words, click on the top red button for new words.

Photos and Videos



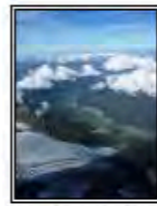
Home > Photo Gallery > Landscapes



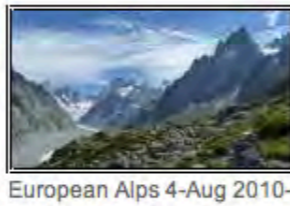
European Alps 1-Aug 2010-
Luke Copland



European Alps 2-Aug 2010-
Luke Copland



European Alps 3-Aug 2010-
Luke Copland



European Alps 4-Aug 2010-
Luke Copland



Kluane National Park 1-Jul
2012-Luke Copland



Kluane National Park 2-Jul
2012-Luke Copland



Kluane National Park 3-Aug
2012-Luke Copland



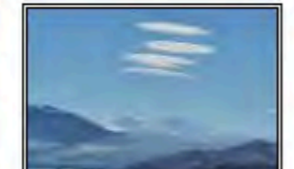
Patagonia 1-Feb 2012-Luke
Copland



Patagonia 2-Feb 2012-Luke
Copland



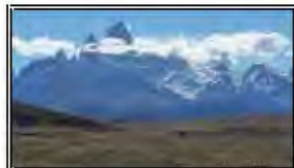
Patagonia 3-Feb 2012-Luke
Copland



Patagonia 4-Feb 2012-Luke
Copland



Patagonia 5-Feb 2012-Luke
Copland



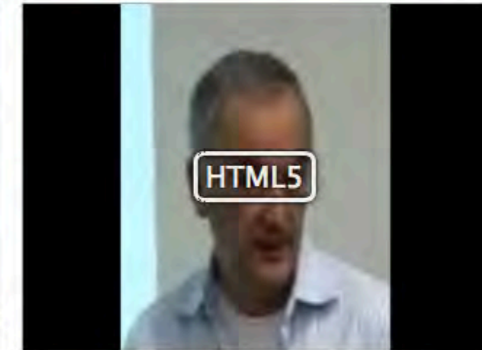
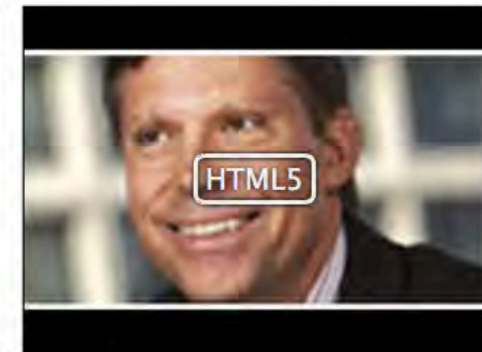
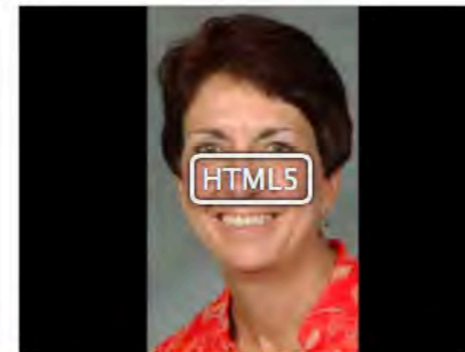
Patagonia 6-Feb 2012-Luke
Copland



Patagonia 7-Feb 2012-Luke
Copland

Videos

On 25 October 2012, the Polar Data Catalogue/CCIN and the University of Waterloo Library hosted [Data Management Day](#). Below are videos of the four morning presentations, from Sallie Ann Keller, Provost, University of Waterloo; Chad Gaffield, President, Social Sciences & Humanities Research Council of Canada; Warwick Vincent, Professor of Biology, Université Laval; and Alan Damell, Director, Scholars Portal Services, Ontario Council of University Libraries.



[HTML Tables](#)

Videos courtesy of [YouTube](#) and Media Productions, [University of Waterloo](#).

Below is a selection of videos about the cryosphere. We welcome new additions, so please send suggestions for new videos to [pdcc "at" uwaterloo.ca](mailto:pdcc@uwaterloo.ca).

The image shows a video player interface for a film titled 'SWIPA: A Changing Environment'. The main video frame shows a large, blue-tinged glacier. A play button is centered over the video. Below the video is a progress bar showing 00:00 / 03:30. To the right of the video player is a vertical list of video thumbnails with their titles and durations:

- SWIPA: A Changing** 03:30
Short (3 minute) version of the film 'SWIPA: A Changing Environment' suitable for web
- The Greenland Ice Sheet in** 03:30
Short (3 minute) version of the film 'The Greenland Ice Sheet in a Changing Climate'
- The New Arctic Reality** 03:30
Short (3 minute) version of the film 'The New Arctic Reality' suitable for web viewing
- Mercury Rising** 04:50
Short (4 minute) version of the film 'Mercury Rising' suitable for web viewing (25MB)
- SWIPA: A Changing** 16:00
Long (15 minute) version of the film 'SWIPA: A Changing Environment' suitable for web

Website Usage

- * www.polardata.ca (PDC Search tool, PDCLite, PDC Data/Metadata Input) and www.ccin.ca (CCIN website)
- * 2012 monthly averages:
 - * 2,382 visits
 - * 1,623 unique visitors
 - * 7,547 pageviews
- * Most visitors from Canada, but also US, Norway, UK, Germany, Iceland, Russia, Australia,...

Our People

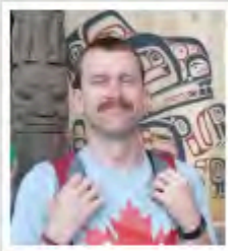
People



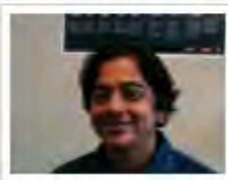
Ellsworth LeDrew, CCIN/PDC Director



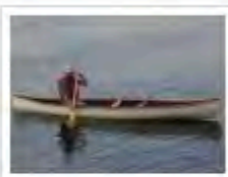
Julie Friddell, CCIN/PDC Manager



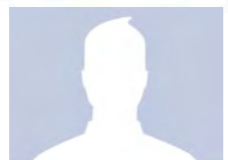
David Friddell, Systems Administrator



Kumari Gurusamy, Web Developer



Frank Lauritzen, Database Administrator



Freddy Paya, Graduate Web Developer

ABOUT

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Thank you!

Please visit us!

polardata.ca and ccin.ca

Photo by Luke Copland

What do YOU think?



Polar Data Catalogue Lite

v. 1.0.0

Welcome to the Polar Data Catalogue Lite!

Do you want to know what research is taking place around your community? You can search the PDCLite by (1) selecting a Region or Community on the map at right, (2) selecting a Region and Community from the menus below, or (3) manually entering Longitude and Latitude. The Search Distance tells how far around a community to search.

Searches can also be done with Research Program and/or Keyword.

Region:

Select a Region

Community:

Select a Community

Search Distance (km):

100

Longitude:

Latitude:

Research Program:

-- CHOOSE ONE --

Keyword:

SEARCH CLEAR

Polar Data Catalogue Lite

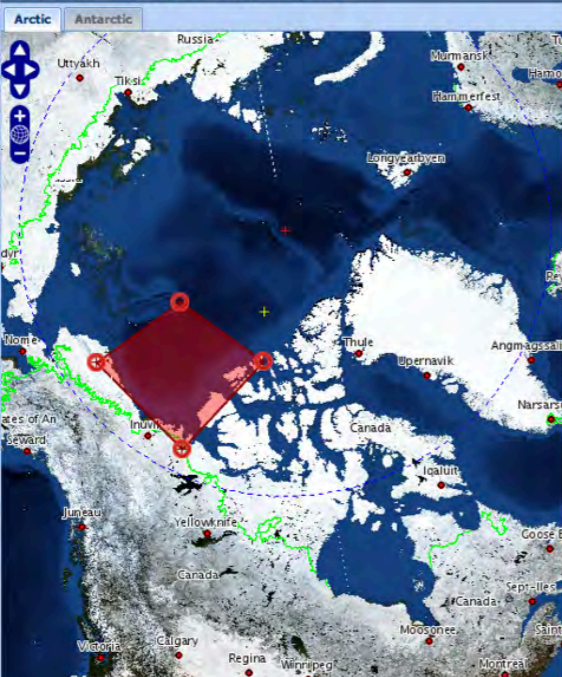


PDC Search | PDCLite

© 2011

Polar Data Catalogue Geospatial Search

Home | Help Manual | PDCLite Low-bandwidth Search



PDC Search Results

Polar Data Catalogue Search
Choose a different data collection...

Select an area of interest and/or enter search words to filter results

Area of Interest (Click on the map to make a box or enter coordinates)

Latitude	Longitude
69.6990599734	-155.01205779
78.8382948029	-155.74700078
78.3441193150	-109.28478255
68.6614910305	-125.15572787

Start Date: Month Day Year
End Date: Month Day Year
Word or Phrase: bird
View downloadable datasets only
Advanced Search: Number of Search Options: 0

Only the first 250 results will be returned

Quick Search: CCIN Reference No. Search



ABOUT CANADIAN CRYOSPHERE WATCH POLAR DATA CATALOGUE RESOURCES

Search

Login



The Canadian Cryospheric Information Network (CCIN) and the Polar Data Catalogue (PDC) have been developed over the past two decades through collaborative partnerships between the University of Waterloo and numerous government, university, and private organizations to provide the data and information management infrastructure for the Canadian cryospheric community. [Read more](#)

BULLETIN BOARD

January 2013: To provide direct access to the Polar Data Catalogue online applications, we have modified the configuration of our websites. From now on, [ccin.ca](#) and [socc.ca](#) will take you to the CCIN outreach and information site, and [polardata.ca](#) will take you to the PDC main page, from which the [PDC Metadata/Data Input application](#), the [PDC Geospatial Search application](#), and the [PDCLite Low-Bandwidth Search](#) tool can be directly accessed.

January 2013: Anders Morley, PDC/CCIN website frequent visitor and cross-country skier, continues his cross-Canada ski trip, collecting snow and ice data for us along the way! A news article is available on the University of Waterloo's [Faculty of Environment site](#). [Read more](#)

POLAR NEWS POLAR GOOGLE

Shell Vessels Sidelined, Imperiling Arctic Plans - New York Times

The brothers who risked their lives in World War II Arctic Convoys - WalesOnline

Slumping Arctic Soils Produce Significant Amounts of CO₂ - Science Now

100 Words: In A Russian Arctic City - WWNO

Arctic Shock Super Soaker turns ice cubes into chilling blasts - DVICE

TOOLS & RESOURCES

Polar Data Search
Data and metadata from the Arctic and Antarctic

PDCLite Search
PDC Search for low bandwidth connections

PDC Data Input Portal
Data and metadata repository for registered users

Canadian Cryosphere Watch
Information on Canada's snow and ice

FUN AND GAMES

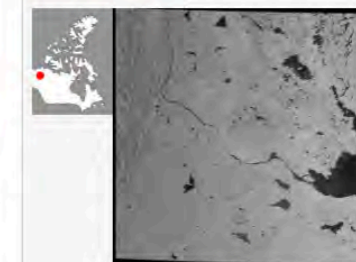
Kids' Section
Games and learning for kids

RANDOM FAQs

Close up of snow crystal photo by Luke Copland located in your website's photo gallery

All FAQs

RADARSAT IMAGE



For higher resolution images visit the Polar Data Catalogue

POLAR DATA CATALOGUE polardata

polardata #Snowtweets 37 cm at N2V 123

polardata Measure snow for the Snowtweets project! In Twitter, type #Snowtweets snow_depth at your_postcode (ex., #Snowtweets 25 cm at N2L 3G1)

Join the conversation

Please come see me today!