

# Metadata

<b>Title</b>	Hudson Bay System Study (BaySys)
<b>Research Program Name</b>	
<b>Keyword Vocabulary</b>	Polar Data Catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Website</b>	<a href="https://umanitoba.ca/earth-observation-science/research/hudson-bay-system-study-baysys">https://umanitoba.ca/earth-observation-science/research/hudson-bay-system-study-baysys</a>
<b>Theme</b>	
<b>Title</b>	Cryosphere
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere">https://canwin-datahub.ad.umanitoba.ca/data/en/group/cryosphere</a>
<b>Title</b>	Freshwater
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/freshwater">https://canwin-datahub.ad.umanitoba.ca/data/en/group/freshwater</a>
<b>Title</b>	Marine
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine">https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine</a>
<b>Status</b>	Complete
<b>Project Area</b>	Hudson Bay Complex
<b>Spatial regions</b>	hudson-bay
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	

<b>Spatial extent North Bound Latitude</b>	
<b>Project DOI</b>	10.5203/x6hd-2n79
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN
<b>Principal Investigators</b>	
<b>Principal Investigators 1</b>	
<b>Principal Investigator Name</b>	Barber, David
<b>Type of Name</b>	Personal
<b>Principal Investigator Email</b>	<a href="mailto:David.Barber@umanitoba.ca">David.Barber@umanitoba.ca</a>
<b>Principal Investigator Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>Principal Investigator ORCID ID</b>	0000-0001-9466-3291
	ORCID
	<a href="http://orcid.org/">http://orcid.org/</a>
<b>Co-Investigators</b>	
<b>Co-Investigators 1</b>	
<b>Co-Investigator Name</b>	Ali, Geneviève
<b>Co-Investigator Role</b>	Researcher
<b>Co-Investigator Email</b>	

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 2**

**Co-  
Investigator  
Name**                      Kuzyk, Zou Zou

**Co-  
Investigator  
Role**                         Researcher

**Co-  
Investigator  
Email**

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 3**

**Co-  
Investigator  
Name**                      Dery, Stephen

**Co-  
Investigator  
Role**                         Researcher

**Co-  
Investigator  
Email**

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 4**

<b>Co- Investigator Name</b>	Else, Brent
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators 5**

<b>Co- Investigator Name</b>	Fortier, Louis
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators 6**

<b>Co- Investigator Name</b>	Guéguen, Céline
<b>Co- Investigator Role</b>	Researcher

**Co-  
Investigator  
Email**

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 7**

**Co-  
Investigator  
Name** Lobb, David

**Co-  
Investigator  
Role** Researcher

**Co-  
Investigator  
Email**

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 8**

**Co-  
Investigator  
Name** Lovejoy, Connie

**Co-  
Investigator  
Role** Researcher

**Co-  
Investigator  
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**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators 9**

<b>Co- Investigator Name</b>	Mundy, Christopher
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators  
10**

<b>Co- Investigator Name</b>	Myers, Paul
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators  
11**

<b>Co- Investigator Name</b>	Maps, Frédéric
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**Co-Investigator  
Role**                      Researcher

**Co-Investigator  
Email**

**Co-Investigator  
Affiliation**

**Co-Investigator  
ORCID ID**

**Co-Investigators  
12**

**Co-Investigator  
Name**                      Owens, Philip

**Co-Investigator  
Role**                      Researcher

**Co-Investigator  
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**Co-Investigator  
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**Co-Investigator  
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**Co-Investigators  
13**

**Co-Investigator  
Name**                      Papakyriakou, Timothy

**Co-Investigator  
Role**                      Researcher

**Co-Investigator  
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**Co-  
Investigator  
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**Co-  
Investigators  
14**

**Co-  
Investigator  
Name**                      Petticrew, Ellen

**Co-  
Investigator  
Role**                         Researcher

**Co-  
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**Co-  
Investigators  
15**

**Co-  
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Name**                      Stadnyk, Tricia

**Co-  
Investigator  
Role**                         Researcher

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Investigator  
ORCID ID**



**Co-  
Investigators  
16**

<b>Co- Investigator Name</b>	Archambault, Philippe
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators  
17**

<b>Co- Investigator Name</b>	Tremblay, Jean-Éric
<b>Co- Investigator Role</b>	Researcher
<b>Co- Investigator Email</b>	
<b>Co- Investigator Affiliation</b>	
<b>Co- Investigator ORCID ID</b>	

**Co-  
Investigators  
18**

<b>Co- Investigator Name</b>	Wang, Feiyue
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Co-Investigator Role	Researcher
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Co-Investigator Email	
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Co-Investigator Affiliation	
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Co-Investigator ORCID ID	
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Co-Investigators  
19

Co-Investigator Name	Stern, Gary
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Co-Investigator Role	Researcher
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Co-Investigator Email	
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Co-Investigator Affiliation	
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Co-Investigator ORCID ID	
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Co-Investigators  
20

Co-Investigator Name	Bélanger, Simon
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Co-Investigator Role	Researcher
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Co-Investigator Email	
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**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators  
21**

**Co-  
Investigator  
Name** Dmitrenko, Igor

**Co-  
Investigator  
Role** Researcher

**Co-  
Investigator  
Email**

**Co-  
Investigator  
Affiliation**

**Co-  
Investigator  
ORCID ID**

**Co-  
Investigators  
22**

**Co-  
Investigator  
Name** Ehn, Jens

**Co-  
Investigator  
Role** Researcher

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Investigator  
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**Co-  
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Affiliation**

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Investigator  
ORCID ID**

<b>Project Data Curator</b>	David Landry
<b>Project Data Curator email</b>	<a href="mailto:David.Landry@umanitoba.ca">David.Landry@umanitoba.ca</a>
<b>Project Data Curator Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>Project Start Date</b>	2016-09-26
<b>Project End Date</b>	2021-12-31
<b>License Name</b>	Creative Commons Attribution 4.0 International
<b>Licence Schema Name</b>	SPDX
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	CanWIN datasets are licensed individually, however most are licensed under the Creative Commons Attribution 4.0 International (CC BY 4.0) Public License. Details for the licence applied can be found using the Licence URL link provided with each dataset. By using data and information provided on this site you accept the terms and conditions of the License. Unless otherwise specified, the license grants the rights to the public to use and share the data and results derived therefrom as long as the proper acknowledgment is given to the data licensor (citation), that any alteration to the data is clearly indicated, and that a link to the original data and the license is made available.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use]( <a href="https://canwin-datahub.ad.umanitoba.ca/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0">https://canwin-datahub.ad.umanitoba.ca/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0</a> ).
<b>Awards</b>	
<b>Awards 1</b>	
<b>Award Title</b>	BaySys - Contributions of climate change and hydro-electric regulation to the variability and change of freshwater-marine coupling in the Hudson Bay system
<b>Award URL</b>	<a href="https://www.nserc-crsng.gc.ca/ase-oro/Details-Detailles_eng.asp?id=696303">https://www.nserc-crsng.gc.ca/ase-oro/Details-Detailles_eng.asp?id=696303</a>
<b>Funder Name</b>	Natural Sciences and Engineering Research Council (NSERC)
<b>Funder Identifier</b>	01h531d29
<b>Funder Identifier Type</b>	ROR

**Funder identifier URL** <https://ror.org>

**Grant Number**

**Related Facilities** []

## Data and Resources

**URL** [https://canwin-datahub.ad.umanitoba.ca/data/dataset/504c728f-da7d-4da9-acab-8430ed5c47ea/resource/000bc406-169f-4a43-a7c9-176782762c67/download/baysys\\_samplingstationdata\\_aoi\\_202102.jpg](https://canwin-datahub.ad.umanitoba.ca/data/dataset/504c728f-da7d-4da9-acab-8430ed5c47ea/resource/000bc406-169f-4a43-a7c9-176782762c67/download/baysys_samplingstationdata_aoi_202102.jpg)

**Name** BaySys Sampling Stations: 2016-2018

**Description** Sampling stations throughout the Hudson Bay Complex as a part of the Hudson Bay System Study, 2016-2018.

**Format** JPEG

**Resource Category**

**URL** [https://canwin-datahub.ad.umanitoba.ca/data/dataset/504c728f-da7d-4da9-acab-8430ed5c47ea/resource/c4738c43-6116-4906-aea4-6f592285aac6/download/baysys\\_stations.csv](https://canwin-datahub.ad.umanitoba.ca/data/dataset/504c728f-da7d-4da9-acab-8430ed5c47ea/resource/c4738c43-6116-4906-aea4-6f592285aac6/download/baysys_stations.csv)

**Name** BaySys Station List

**Description** The master station list for the BaySys Project.

**Format** CSV

**Resource Category**

# Sub-projects

<b>Title</b>	Contaminants
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/contaminants">https://canwin-datahub.ad.umanitoba.ca/data/en/project/contaminants</a>
<b>Title</b>	Ocean modelling
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/ocean-modelling">https://canwin-datahub.ad.umanitoba.ca/data/en/project/ocean-modelling</a>
<b>Title</b>	Marine ecosystems
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/marine-ecosystems-team-3-baysys">https://canwin-datahub.ad.umanitoba.ca/data/en/project/marine-ecosystems-team-3-baysys</a>
<b>Title</b>	Biodiversity, distribution and biomass of zooplankton and ichthyoplankton in the Hudson Bay system
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/zooplankton-and-ichthyoplankton-in-hudson-bay">https://canwin-datahub.ad.umanitoba.ca/data/en/project/zooplankton-and-ichthyoplankton-in-hudson-bay</a>
<b>Title</b>	Marine/climate systems
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/marine-and-climate-system-team-1">https://canwin-datahub.ad.umanitoba.ca/data/en/project/marine-and-climate-system-team-1</a>
<b>Title</b>	Freshwater
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/freshwater-systems-team-2">https://canwin-datahub.ad.umanitoba.ca/data/en/project/freshwater-systems-team-2</a>
<b>Title</b>	Carbon cycling
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/carbon-sampling-baysys-team-4">https://canwin-datahub.ad.umanitoba.ca/data/en/project/carbon-sampling-baysys-team-4</a>
<b>Title</b>	Lisa Matthes - PhD Project
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/project/lisa-matthes-phd-project">https://canwin-datahub.ad.umanitoba.ca/data/en/project/lisa-matthes-phd-project</a>

# Related Datasets

<b>Title</b>	Canadian Arctic 2018 gridT and icemod NEMO 3.6, LIM2 and BLINGv0+DIC data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/2018-gridt-and-icemod-data">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/2018-gridt-and-icemod-data</a>
<b>Title</b>	Satellite Data Trace Seasonal Freshwater Dispersion in Hudson and James Bays: Field and Matchup Data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/seasonal-freshwater-dispersion">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/seasonal-freshwater-dispersion</a>
<b>Title</b>	BaySys Remote Sensing Data
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/remote-sensing-data">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/remote-sensing-data</a>
<b>Title</b>	BaySys Ice Beacon Data- Churchill River (2017) and Hudson Bay (2018)
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/baysys-ice-beacon-data">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/baysys-ice-beacon-data</a>
<b>Title</b>	BaySys Physical Ice Sampling Data - 2017-2018
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/baysys-physical-ice-sampling-data-2017">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/baysys-physical-ice-sampling-data-2017</a>
<b>Title</b>	Mesozooplankton taxonomy
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/mesozooplankton-taxonomy">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/mesozooplankton-taxonomy</a>
<b>Title</b>	Polar cod taxonomy
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/fish-taxonomy">https://canwin-datahub.ad.umanitoba.ca/data/en/dataset/fish-taxonomy</a>

# Related Publications

<b>Title</b>	BaySys Quarterly Reports
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-quarterly-reports">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-quarterly-reports</a>
<b>Title</b>	BaySys Conference Posters & Presentations
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-conference-posters-presentations">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-conference-posters-presentations</a>
<b>Title</b>	BaySys All-Hands Meeting Documents (2019)
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-all-hands-meeting-documents-2019">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-all-hands-meeting-documents-2019</a>
<b>Title</b>	BaySys SSC Meeting Feb18 - 2021
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-ssc-meeting-feb18-2021">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-ssc-meeting-feb18-2021</a>
<b>Title</b>	BaySys Project Reports - Phase 1 and Phase 2
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-reports-1-2">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-reports-1-2</a>
<b>Title</b>	Baysys Field Reports
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-field-rep">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-field-rep</a>
<b>Title</b>	BaySys Newsletters
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-newsletters">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-newsletters</a>
<b>Title</b>	BaySys Theses and Dissertations
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-theses-and-dissertations">https://canwin-datahub.ad.umanitoba.ca/data/en/publication/baysys-theses-and-dissertations</a>

# Deployment details

<b>Title</b>	BaySys Physical Ice - Deployment 3
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-amundsen-2018-ice-sampling">https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-amundsen-2018-ice-sampling</a>
<b>Title</b>	BaySys Physical Ice - Deployment 1
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-des-groseilliers-2017">https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-des-groseilliers-2017</a>
<b>Title</b>	BaySys Physical Ice - Deployment 2
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-des-groseilliers-2017-landfast-ice-survey">https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/ccgs-des-groseilliers-2017-landfast-ice-survey</a>



# Campaigns

<b>Title</b>	2017 Winter Churchill River and Mobile Ice Survey
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-churchill-river-and-mobile-ice-survey">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-churchill-river-and-mobile-ice-survey</a>
<b>Title</b>	2017 Winter Nelson Estuary Landfast Ice Survey
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-nelson-estuary-landfast-ice-survey">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-nelson-estuary-landfast-ice-survey</a>
<b>Title</b>	2017 Winter and Spring Sediment Coring and Water Sampling Campaign
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-and-spring-sediment-coring-and-water-sampling-campaign">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2017-winter-and-spring-sediment-coring-and-water-sampling-campaign</a>
<b>Title</b>	2018 Fall RV William Kennedy Mooring Retrieval
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2018-fall-rv-william-kennedy-mooring-retrieval">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/2018-fall-rv-william-kennedy-mooring-retrieval</a>