

Metadata

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

Spatial extent North Bound Latitude	
Project DOI	10.5203/x6hd-2n79
Metadata Creation Date	2022
Publisher	CanWIN
Principal Investigators	
Principal Investigators 1	
Principal Investigator Name	Barber, David
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Principal Investigator Email	David.Barber@umanitoba.ca
Principal Investigator Affiliation	Centre for Earth Observation Science - University of Manitoba
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Co-Investigators 1	
Co-Investigator Name	Ali, Geneviève
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Co-
Investigators 2

Co-
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Investigators 3

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**Co-
Investigators 4**

Co- Investigator Name	Else, Brent
Co- Investigator Role	Researcher
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**Co-
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Co- Investigator Name	Fortier, Louis
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Co- Investigator Name	Guéguen, Céline
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Co- Investigator Name	Lobb, David
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Co- Investigator Role	Researcher
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Investigators 8**

Co- Investigator Name	Lovejoy, Connie
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Co- Investigator Role	Researcher
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**Co-
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Co- Investigator Name	Mundy, Christopher
Co- Investigator Role	Researcher
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**Co-
Investigators
10**

Co- Investigator Name	Myers, Paul
Co- Investigator Role	Researcher
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Co- Investigator ORCID ID	

**Co-
Investigators
11**

Co- Investigator Name	Maps, Frédéric
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**Co-Investigator
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**Co-Investigators
12**

**Co-Investigator
Name** Owens, Philip

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**Co-Investigators
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Investigators
14**

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15**

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**Co-
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16**

Co- Investigator Name	Archambault, Philippe
Co- Investigator Role	Researcher
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Co- Investigator ORCID ID	

**Co-
Investigators
17**

Co- Investigator Name	Tremblay, Jean-Éric
Co- Investigator Role	Researcher
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Co- Investigator Affiliation	
Co- Investigator ORCID ID	

**Co-
Investigators
18**

Co- Investigator Name	Wang, Feiyue
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**Co-Investigator
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**Co-Investigators
19**

**Co-Investigator
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**Co-Investigator
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**Co-Investigators
20**

**Co-Investigator
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21**

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22**

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Project Data Curator	David Landry
Project Data Curator email	David.Landry@umanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Project Start Date	2016-09-26
Project End Date	2021-12-31
License Name	Creative Commons Attribution 4.0 International
Licence Schema Name	SPDX
Licence URL	https://spdx.org/licenses
Terms of Access	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.
Terms of Use	By accessing this data you agree to [CanWIN's Terms of Use](https://canwin-datahub.ad.umanitoba.ca/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
Awards	
Awards 1	
Award Title	BaySys - Contributions of climate change and hydro-electric regulation to the variability and change of freshwater-marine coupling in the Hudson Bay system
Award URL	https://www.nserc-crsng.gc.ca/ase-oro/Details-Detaillies_eng.asp?id=696303
Funder Name	Natural Sciences and Engineering Research Council (NSERC)
Funder Identifier	01h531d29
Funder Identifier Type	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

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

Name BaySys Station List

Description The master station list for the BaySys Project.

Format CSV

Resource Category

Sub-projects

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

Related Datasets

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

Related Publications

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

Deployment details

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

Campaigns

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