

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/group/cryosphere
Title	Freshwater
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/freshwater
Title	Marine
URL	https://canwin-datahub.ad.umanitoba.ca/data/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	
10.5203/x6hd-2n79	

Project DOI	
Metadata	
Creation Date	2022
Publisher	CanWIN
Principal Investigators	
Principal Investigators 1	
Principal Investigator Name	Barber, David
Type of Name	Personal
Principal Investigator Email	David.Barber@umanitoba.ca
Principal Investigator Affiliation	Centre for Earth Observation Science - University of Manitoba
Principal Investigator ORCID ID	0000-0001-9466-3291
	ORCID
	http://orcid.org/
Co-Investigators	
Co-Investigators 1	
Co-Investigator Name	Ali, Geneviève
Co-Investigator Role	Researcher
Co-Investigator Email	
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		
	Co-Investigator Name	Else, Brent
	Co-Investigator Role	Researcher
	Co-Investigator Email	
	Co-Investigator Affiliation	
	Co-Investigator ORCID ID	

Co-
Investigators 5

Co- Investigator Name	Fortier, Louis
Co- Investigator Role	Researcher
Co- Investigator Email	
Co- Investigator Affiliation	
Co- Investigator ORCID ID	

Co-
Investigators 6

Co- Investigator Name	Guéguen, Céline
Co- Investigator Role	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
Email

Co-
Investigator
Affiliation

Co-
Investigator
ORCID ID

Co-
Investigators 9

Co-
Investigator
Name Mundy, Christopher

Co-
Investigator
Role Researcher

Co-
Investigator
Email

Co-
Investigator
Affiliation

Co-
Investigator
ORCID ID

Co-

Investigators
10

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

Co-Investigators
11

Co-Investigator Name	Maps, Frédéric
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 Email	
Co-	

Investigator
Affiliation

Co-
Investigator
ORCID ID

Co-
Investigators
13

Co-
Investigator
Name

Papakyriakou, Timothy

Co-
Investigator
Role

Researcher

Co-
Investigator
Email

Co-
Investigator
Affiliation

Co-
Investigator
ORCID ID

Co-
Investigators
14

Co-
Investigator
Name

Petticrew, Ellen

Co-
Investigator
Role

Researcher

Co-
Investigator
Email

Co-
Investigator
Affiliation

Co-
Investigator
ORCID ID

Co-
Investigators
15

Co-Investigator Name	Stadnyk, Tricia
Co-Investigator Role	Researcher
Co-Investigator Email	
Co-Investigator Affiliation	
Co-Investigator ORCID ID	

Co-Investigators
16

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

Co-Investigators
17

Co-Investigator Name	Tremblay, Jean-Éric
Co-Investigator Role	Researcher
Co-Investigator Email	
Co-Investigator Affiliation	

Co-
Investigator
ORCID ID

Co-
Investigators
18

Co- Investigator Name	Wang, Feiyue
Co- Investigator Role	Researcher
Co- Investigator Email	
Co- Investigator Affiliation	
Co- Investigator ORCID ID	

Co-
Investigators
19

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

Co-
Investigators
20

Co- Investigator	Bélanger, Simon
---------------------	-----------------

Name

Co-
Investigator
Role Researcher

Co-
Investigator
Email

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

Co-
Investigator
Email

Co-
Investigator
Affiliation

Co-

Investigator ORCID ID	
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 <div> <div>Award Title</div> <div>BaySys - Contributions of climate change and hydro-electric regulation to the variability and change of freshwater-marine coupling in the Hudson Bay system</div> </div> <div> <div>Award URL</div> <div>https://www.nserc-crsng.gc.ca/ase-oro/Details-Detailles_eng.asp?id=696303</div> </div> <div> <div>Funder Name</div> <div>Natural Sciences and Engineering Research Council (NSERC)</div> </div> <div> <div>Funder Identifier</div> <div>01h531d29</div> </div> <div> <div>Funder Identifier Type</div> <div>ROR</div> </div> <div> <div>Funder identifier URL</div> <div>https://ror.org</div> </div>	

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/project/contaminants
Title	Ocean modelling
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/ocean-modelling
Title	Marine ecosystems
URL	https://canwin-datahub.ad.umanitoba.ca/data/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/project/zooplankton-and-ichthyoplankton-in-hudson-bay
Title	Marine/climate systems
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/marine-and-climate-system-team-1
Title	Freshwater
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/freshwater-systems-team-2
Title	Carbon cycling
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/carbon-sampling-baysys-team-4
Title	Lisa Matthes - PhD Project
URL	https://canwin-datahub.ad.umanitoba.ca/data/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/dataset/2018-gridt-and-icemod-data
Title	BaySys Remote Sensing Data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/remote-sensing-data
Title	BaySys Ice Beacon Data- Churchill River (2017) and Hudson Bay (2018)
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/baysys-ice-beacon-data
Title	BaySys Physical Ice Sampling Data - 2017-2018
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/baysys-physical-ice-sampling-data-2017
Title	Mesozooplankton taxonomy
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/mesozooplankton-taxonomy
Title	Polar cod taxonomy
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/fish-taxonomy

Related Publications

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

Deployment details

Title	BaySys Physical Ice - Deployment 3
URL	https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/ccgs-amundsen-2018-ice-sampling
Title	BaySys Physical Ice - Deployment 1
URL	https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/ccgs-des-groseilliers-2017
Title	BaySys Physical Ice - Deployment 2
URL	https://canwin-datahub.ad.umanitoba.ca/data/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/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/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/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/campaign/2018-fall-rv-william-kennedy-mooring-retrieval