

Metadata

Field	Value
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

Field	Value
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
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

Field	Value
	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

Field	Value
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	

Field	Value
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

Field	Value
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	

Field	Value
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

Field	Value
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	

Field	Value
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

Field	Value
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 Name	Bélanger, Simon
Co-Investigator Role	Researcher
Co-Investigator Email	
Co-Investigator Affiliation	
Co-Investigator ORCID ID	

Field	Value
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

Field	Value
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	<p>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.</p>
Terms of Use	<p>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).</p>
Awards	
Awards 1	

Field	Value
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-Detailles_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

Field	Value
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.

Field	Value
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

Field	Value
Title	Carbon cycling
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/carbon-sampling-baysys-team-4
Title	Marine ecosystems
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/marine-ecosystems-team-3-baysys
Title	Ocean modelling
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/ocean-modelling
Title	Marine/climate systems
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/marine-and-climate-system-team-1
Title	Freshwater

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/freshwater-systems-team-2
Title	Contaminants
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/contaminants
Title	Lisa Matthes - PhD Project
URL	https://canwin-datahub.ad.umanitoba.ca/data/project/lisa-matthes-phd-project
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

Related Datasets

Field	Value
Title	BaySys Remote Sensing Data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/remote-sensing-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/dataset/seasonal-freshwater-dispersion
Title	Polar cod taxonomy
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/fish-taxonomy
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	Mesozooplankton taxonomy
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/mesozooplankton-taxonomy

Field	Value
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

Related Publications

Field	Value
Title	BaySys Newsletters
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-newsletters
Title	BaySys SSC Meeting Feb18 - 2021
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-ssc-meeting-feb18-2021
Title	BaySys Theses and Dissertations
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-theses-and-dissertations
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 Quarterly Reports
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-quarterly-reports
Title	Baysys Field Reports
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-field-rep

Field	Value
Title	BaySys Project Reports - Phase 1 and Phase 2
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/baysys-reports-1-2

Deployment details

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

Campaigns

Field	Value
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
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

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/campaign/2017-winter-nelson-estuary-landfast-ice-survey