Metadata

Field	Value
Dataset Name	Carbon Sampling Data
Dataset General Type	carbon data
Dataset Type	Dataset
Dataset Level	0.1
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Atmosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/modelling
Title	Freshwater
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/freshwater
Title	Marine
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/marine
Title	Oxygen
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/oxygen

Field	Value
Title	Subsurface Salinity
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/subsurface-salinity
Title	Subsurface Temperature
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/subsurface-temperature
Title	Water Colour
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/water-colour
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2018-08-01
Dataset DOI	10.34992/gsq2-rj50
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Papakyriakou, Tim
Type of Name	Personal

Field	Value
Email	tim.papakyriakou@umanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	0000-0002-2019-9104
	ORCID
	http://orcid.org/

Dataset Authors 2

Name	Capelle, David
Type of Name	Personal
Email	David.capelle@umanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	

Contributors

Contributors 1

Name	
Role	

Field	Value
Email	
Affiliation	
ORCID ID	
Project Data Curator	Capelle, David
Project Data Curator email	David.capelle@umanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2017-02-15
Dataset Collection End Date	2018-07-12
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	pCO2 Measuring System
Standardized Sampling Instrument Name	
Sample Collection Method Name	pCO2 system protocol
Comment	
Method Link	
Method Summary	

Field	Value
Method Description Type	Methods
Sample Collection 2	
Sampling Instrument Name	FDOM sensor
Standardized Sampling Instrument Name	Probe/Sensor
Sample Collection Method Name	FDOM sensor protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Sample Collection 3	
Sampling Instrument Name	Thermal-salinograph
Standardized Sampling Instrument Name	
Sample Collection Method Name	TSG (Thermal-salinograph system) protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods

Field	Value
Sample Collection 4	
Sampling Instrument Name	Pressure of In-situ Gases Instrument
Standardized Sampling Instrument Name	
Sample Collection Method Name	PIGI (Pressure of In-situ Gases Instrument) system protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Sample Collection 5	
Sampling Instrument Name	Radiation sensor
Standardized Sampling Instrument Name	Probe/Sensor
Sample Collection Method Name	Radiation sensor system protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Sample Collection 6	

Field	Value
Sampling Instrument Name	Rosette
Standardized Sampling Instrument Name	discrete water samplers
Sample Collection Method Name	Ship Rosette protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods

Sample Collection 7

Sampling Instrument Name	Niskin bottle
Standardized Sampling Instrument Name	Niskin Bottle
Sample Collection Method Name	Surface Water Sampling (ship bow, zodiac, skippy boat)
Comment	
Method Link	
Method Summary	
Method Description Type	Methods

Sample Collection 8

Sampling Instrument Name	BOD glass bottles

Field	Value
Standardized Sampling Instrument Name	WATER BOTTLES
Sample Collection Method Name	Helicopter Sampling
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Sample Collection 9	
Sampling Instrument Name	Ice corers
Standardized Sampling Instrument Name	Ice Auger
Sample Collection Method Name	Ice and Under-ice Water protocol
Comment	
Method Link	
Method Summary	
Method Description Type	Methods
Activity Collection Type	Field Measurement/Observation - Portable Data Logger
Preferred citation	
Analytical Instrument	
Analytical Instrument 1	

Field	Value
Analytical Instrument Name	Guildline AUTOSAL machine
Standardized Analytical Instrument Name	
Analytical Instrument Identifier Id	
Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	
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.

Field	Value
Terms of Use	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
Awards	
Related Resources	
Related Resources 1	
Related Resource Name	
Resource Code	
Identifier Type	
Relationship To This Dataset	
Resource Type	Online Resource
Type	
Series Name	
Publications	
Publications 1	
Publication Name	
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	
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	

Data and Resources

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/f509cd70-9e74-46f4-a9c8-7a46eb224761/resource/cf6976e5-da7a-4076-90b4-c39bd33fb4fc/download/baysys_carbon_sampling_2017_2018.csv
Name	Carbon sampling data -BaySys
Description	Data describing the principal components of the carbon system across the Hudson Bay.
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/f509cd70-9e74-46f4-a9c8-7a46eb224761/resource/af30d1f2-7b18-46b8-9753-886af8edb4e9/download/carbon-smapling-supplemental-information.pdf
Name	Supplemental Metadata

Field	Value
Description	Supplemental Information for the Carbon sampling dataset. Information includes detailed description of sampling methods, the data file variables, data processing and instrumentation used.
Format	PDF
Resource Category	supplemental

Related Publications

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

Instrument details

Field	Value
Title	General Oceanics 8050 pCO2 system
URL	https://canwin-datahub.ad.umanitoba.ca/data/instrument_details/general-oceanics-8050-pco2-system

Campaigns

Field	Value
Title	2018 Spring Hudson Bay Wide CCGS Amundsen Campaign
URL	https://canwin-datahub.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign