

Metadata

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	
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2018-08-01
Dataset DOI	
Metadata Creation Date	2022
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	

Name Papakyriakou, Tim
Type of Name Personal
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
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

Method Description Type

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**

**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**

**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**

**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**

**Sample
Collection 6**

**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**

**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**

**Sample
Collection 8**

**Sampling
Instrument
Name** BOD glass bottles

**Standardized
Sampling
Instrument
Name** WATER BOTTLES

**Sample
Collection
Method Name** Helicopter Sampling

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

**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**

Activity Collection Type	Field Measurement/Observation - Portable Data Logger
Preferred citation	
Analytical Instrument	
Analytical Instrument 1	
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	
License Name	Creative Commons Attribution 4.0 International
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses
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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

Spatial extent West Bound Longitude

**Spatial
extent East
Bound
Longitude**

**Spatial
extent South
Bound
Latitude**

**Spatial
extent North
Bound
Latitude**

Data and Resources

URL	https://lwbins-dev.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://lwbins-dev.ad.umanitoba.ca/data/dataset/f509cd70-9e74-46f4-a9c8-7a46eb224761/resource/af30d1f2-7b18-46b8-9753-886af8edb4e9/download/carbon-smampling-supplemental-information.pdf
Name	Supplemental Metadata
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

Title	BaySys Project Reports - Phase 1 and Phase 2
URL	https://lwbins-dev.ad.umanitoba.ca/data/publication/baysys-project-reports-phase-1-2

Instrument details

Title General Oceanics 8050 pCO2 system

URL https://lwbin-dev.ad.umanitoba.ca/data/instrument_details/general-oceanics-8050-pco2-system

Campaigns

Title 2017 Winter Nelson Estuary Landfast Ice Survey

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2017-winter-nelson-estuary-landfast-ice-survey>

Title 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign>

Title 2017 Winter Churchill River and Mobile Ice Survey

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2017-winter-churchill-river-and-mobile-ice-survey>