

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 |
| 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](/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

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>