

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 | |
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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/en/publication/baysys-project-reports-phase-1-2 |

Instrument details

Title General Oceanics 8050 pCO2 system

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

Campaigns

Title 2017 Winter Nelson Estuary Landfast Ice Survey

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