

Metadata

| | |
|---|---|
| Dataset Name | Chlorophyll-a concentration in ice and water - Hudson Bay 2018 |
| Dataset General Type | Chlorophyll a concentration |
| Dataset Type | Dataset |
| Dataset Level | |
| Program Website | |
| Keyword Vocabulary | Polar Data catalogue |
| Keyword Vocabulary URL | https://www.polardata.ca/pdcinput/public/keywordlibrary |
| Theme | |
| Title | Marine |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine |
| Dataset Status | Complete |
| Maintenance and Update Frequency | As needed |
| Dataset Last Revision Date | 2020-11-16 |
| Dataset DOI | 10.34992/j5yw-jb95 |
| Metadata Creation Date | 2023 |
| Publisher | CanWIN |

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**Dataset
Collection
Start Date**

2018-05-31

**Dataset
Collection
End Date**

2018-07-01

**Sample
Collection**

**Sample
Collection 1**

**Sampling
Instrument
Name**

Core Barrel

**Standardized
Sampling
Instrument
Name**

KOVACS ice coring systems

**Sample
Collection
Method Name**

Ice core collection

Comment

Method Link

**Method
Summary**

**Method
Description
Type**

Methods

Sample Collection 2

Sampling Instrument Name Niskin bottles (Rosette)

Standardized Sampling Instrument Name Niskin Bottle

Sample Collection Method Name Water collection

Comment

Method Link

Method Summary

Method Description Type Methods

Sample Collection 3

Sampling Instrument Name Rosette Sampler

Standardized Sampling Instrument Name

Sample Collection Method Name Water collection

Comment

Method Link

Method Summary

Method Description Type Methods

Activity Collection Type

Field Measurement

Preferred citation

Holm-Hansen O, Lorenzen CJ, Holmes RW, Strickland JDH. 1965. Fluorometric Determination of Chlorophyll. ICES J Mar Sci 30(1): 3–15. Oxford Academic. doi: 10.1093/icesjms/30.1.3

Analytical Instrument

Analytical Instrument 1

Analytical Instrument Name

Fluorometer (10AU Field Fluorometer, Turner Designs)

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 Light propagation in ice-covered environments: Seasonal progression and biological implications. PhD thesis.

Identifier Code <http://hdl.handle.net/1993/35352>

Identifier Type URL

Relationship to this dataset Describes

Resource Type Online Resource

Publication Type Dissertation

Publications 2

Publication Name Environmental drivers of spring primary production in Hudson Bay

Identifier Code doi.org/10.1525/elementa.2020.00160

Identifier Type DOI

Relationship to this dataset

Resource Type Online Resource

Publication Type JournalArticle

Publications 3

Publication Name Protist communities along freshwater–marine transition zones in Hudson Bay (Canada)

Identifier Code doi.org/10.1525/elementa.2021.00111

Identifier Type DOI
Relationship to this dataset
Resource Type Online Resource
Publication Type JournalArticle

Publications 4

Publication Name Response of microalgal communities to a seasonal freshwater gradient in southwestern Hudson Bay, Canada
Identifier Code doi.org/10.1525/elementa.2020.00160
Identifier Type DOI
Relationship to this dataset
Resource Type Online Resource
Publication Type JournalArticle

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://canwin-datahub.ad.umanitoba.ca/data/dataset/36e03830-0346-42c0-8569-ecc6543c39da/resource/d55fd655-8933-4c8b-b6d9-e3c0c5cf6887/download/baysys2018_chla_fluorometry_ice.csv |
| Name | Chlorophyll a concentration - ice |
| Description | Chlorophyll a concentration of bottom-ice communities and Melosira arctica |
| Format | CSV |
| Resource Category | data |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/36e03830-0346-42c0-8569-ecc6543c39da/resource/8855533d-4732-466e-848b-891ba2ae0753/download/baysys2018_chla_fluorometry_ice_supplemental.pdf |
| Name | Supplemental Metadata - ice |
| Description | Supplemental information - station information, variable details, and data file details. |
| Format | PDF |
| Resource Category | supplemental |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/36e03830-0346-42c0-8569-ecc6543c39da/resource/e6522960-1e48-43c3-928c-d2ae84e3cc18/download/baysys2018_chla_fluorometry_water.csv |
| Name | Chlorophyll a concentration - water |
| Description | Chlorophyll a concentration of phytoplankton and melt pond communities |
| Format | CSV |
| Resource Category | data |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/36e03830-0346-42c0-8569-ecc6543c39da/resource/d7dea50f-eca0-47bb-aa8c-58d731252a99/download/baysys2018_chla_fluorometry_water_supplemental.pdf |
| Name | Supplemental Metadata - water |
| Description | Supplemental information - station information, variable details, and data file details. |
| Format | PDF |
| Resource Category | supplemental |

Deployment details

Title Rosette deployment-BaySys 2018

URL https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/rosette-deployment-baysys-2018

Campaigns

Title 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

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