

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://lwbins-dev.ad.umanitoba.ca/data/group/marine
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2020-11-16
Dataset DOI	
Metadata Creation Date	2022
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**

**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

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

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://lwbins-dev.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://lwbins-dev.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://lwbins-dev.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://lwbins-dev.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://lwbin-dev.ad.umanitoba.ca/data/deployment_details/rosette-deployment-baysys-2018

Campaigns

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>