

# Metadata

<b>Dataset Name</b>	Chlorophyll-a concentration in ice and water - Hudson Bay 2018
<b>Dataset General Type</b>	Chlorophyll a concentration
<b>Dataset Type</b>	Dataset
<b>Dataset Level</b>	
<b>Program Website</b>	
<b>Keyword Vocabulary</b>	Polar Data catalogue
<b>Keyword Vocabulary URL</b>	<a href="https://www.polardata.ca/pdcinput/public/keywordlibrary">https://www.polardata.ca/pdcinput/public/keywordlibrary</a>
<b>Theme</b>	
<b>Title</b>	Marine
<b>URL</b>	<a href="https://lwbins-dev.ad.umanitoba.ca/data/fr/group/marine">https://lwbins-dev.ad.umanitoba.ca/data/fr/group/marine</a>
<b>Dataset Status</b>	Complete
<b>Maintenance and Update Frequency</b>	As needed
<b>Dataset Last Revision Date</b>	2020-11-16
<b>Dataset DOI</b>	
<b>Metadata Creation Date</b>	2022
<b>Publisher</b>	CanWIN

## Dataset Authors

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## Contributors

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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>

**Terms of Access**

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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](https://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](https://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

<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Chlorophyll a concentration - ice
<b>Description</b>	Chlorophyll a concentration of bottom-ice communities and Melosira arctica
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Supplemental Metadata - ice
<b>Description</b>	Supplemental information - station information, variable details, and data file details.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Chlorophyll a concentration - water
<b>Description</b>	Chlorophyll a concentration of phytoplankton and melt pond communities
<b>Format</b>	CSV
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Supplemental Metadata - water
<b>Description</b>	Supplemental information - station information, variable details, and data file details.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental



# Deployment details

**Title** Rosette deployment-BaySys 2018

**URL** [https://lwbin-dev.ad.umanitoba.ca/data/fr/deployment\\_details/rosette-deployment-baysys-2018](https://lwbin-dev.ad.umanitoba.ca/data/fr/deployment_details/rosette-deployment-baysys-2018)

# Campaigns

**Title** 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

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