

# 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/group/marine">https://lwbins-dev.ad.umanitoba.ca/data/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**

<b>Analytical Instrument 1</b>	
<b>Analytical Instrument Name</b>	Fluorometer (10AU Field Fluorometer, Turner Designs)
<b>Standardized Analytical Instrument Name</b>	
<b>Analytical Instrument Identifier Id</b>	
<b>Analytical Instrument Title Type</b>	Alternative Title
<b>Analytical Instrument Identifier Type</b>	
<b>Analytical Method</b>	
<b>License Name</b>	Creative Commons Attribution 4.0 International
<b>Licence Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	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.
<b>Terms of Use</b>	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
<b>Awards</b>	
<b>Related Resources</b>	
<b>Related Resources 1</b>	

**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/deployment\\_details/rosette-deployment-baysys-2018](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>