

Metadata

Field	Value
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
Title	Water Colour
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/water-colour
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2020-11-16

Field	Value
Dataset DOI	10.34992/j5yw-jb95
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Matthes, Lisa. C
Type of Name	Personal
Email	matthesl@myumanitoba.ca
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ORCID ID	0000-0002-7362-0417
	ORCID
	http://orcid.org/
Dataset Authors 2	
Name	Mundy, C.J.
Type of Name	Personal

Field	Value
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Dataset Authors 3

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Contributors

Contributors 1

Name

Role

Email

Affiliation

Field	Value
ORCID ID	
Project Data Curator	Matthes, Lisa. C
Project Data Curator email	matthesl@myumanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
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

Field	Value
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

Field	Value
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	
Licence Name or Copyright Statement	Creative Commons Attribution 4.0 International
Copyright Statement	
Licence Type	Open
Embargo Date	
Licence URL	https://spdx.org/licenses

Field	Value
Terms of Access	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.
Terms of Use	By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).
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	

Field	Value
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	

Field	Value
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

Field	Value
Spatial extent West Bound Longitude	
Spatial extent East Bound Longitude	
Spatial extent South Bound Latitude	
Spatial extent North Bound Latitude	

Data and Resources

Field	Value
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

Field	Value
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

Field	Value
Resource Category	supplemental

Deployment details

Field	Value
Title	Rosette deployment-BaySys 2018
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/deployment_details/rosette-deployment-baysys-2018

Campaigns

Field	Value
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