

Metadata

| Field | Value |
|-------------------------------|---|
| Dataset Name | Particulate organic carbon in ice and water - Hudson Bay 2018 |
| Dataset General Type | carbon data |
| 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/fr/group/marine |
| Title | Microbe biomass and diversity |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/group/microbe-biomass-and-diversity |
| Title | Plankton |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/group/plankton |
| Title | Sea Ice |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/group/sea-ice |

| Field | Value |
|---|--|
| Dataset Status | Complete |
| Maintenance and Update Frequency | Not planned |
| Dataset Last Revision Date | 2020-11-06 |
| Dataset DOI | 10.34992/gt8c-5v78 |
| Metadata Creation Date | 2026 |
| Publisher | CanWIN |
| Dataset Authors | |
| Dataset Authors 1 | |
| Name | Matthes, Lisa. C |
| Type of Name | Personal |
| Email | matthesl@myumanitoba.ca |
| Affiliation | Centre for Earth Observation Science - University of Manitoba |
| ORCID ID | 0000-0002-7362-0417 |
| | ORCID |

| Field | Value |
|--------------------------|--|
| | http://orcid.org/ |
| Dataset Authors 2 | |
| Name | Mundy, C.J. |
| Type of Name | Personal |
| Email | cj.mundy@umanitoba.ca |
| Affiliation | Centre for Earth Observation Science - University of Manitoba |
| ORCID ID | |
| Dataset Authors 3 | |
| Name | Ehns, Jens |
| Type of Name | Personal |
| Email | jens.ehn@umanitoba.ca |
| Affiliation | Centre for Earth Observation Science - University of Manitoba |
| ORCID ID | |

| Field | Value |
|-----------------------------------|--|
| Contributors | |
| Contributors 1 | |
| Name | Mundy, C.J. |
| Role | Supervisor |
| Email | |
| Affiliation | |
| ORCID ID | |
| Contributors 2 | |
| Name | Ehns, Jens |
| Role | Supervisor |
| Email | |
| Affiliation | |
| ORCID ID | |
| Project Data Curator | Matthes, Lisa. C |
| Project Data Curator email | matthesl@myumanitoba.ca |

| Field | Value |
|--|---|
| 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 | Rosette Sampler |
| Standardized Sampling Instrument Name | discrete water samplers |
| Sample Collection Method Name | Water collection |
| Comment | |
| Method Link | |
| Method Summary | |
| Method Description Type | Methods |
| Sample Collection 2 | |
| Sampling Instrument Name | Submersible pump (Cyclone®) |
| Standardized Sampling Instrument Name | |
| Sample Collection Method Name | Water collection |

| Field | Value |
|--|---------------------------|
| Comment | |
| Method Link | |
| Method Summary | |
| Method Description Type | Methods |
| Sample Collection 3 | |
| 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 4 | |
| Sampling Instrument Name | |
| Standardized Sampling Instrument Name | |
| Sample Collection Method Name | |
| Comment | |
| Method Link | |
| Method Summary | |

| Field | Value |
|--|---|
| Method Description Type | Methods |
| Activity Collection Type | Field Measurement |
| Preferred citation | |
| Analytical Instrument | |
| Analytical Instrument 1 | |
| Analytical Instrument Name | DeltaPlus XP Isotope Ratio Mass Spectrometer (IRMS, Thermo Electron Co) |
| 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 | <p>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.</p> |
| Terms of Use | <p>By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).</p> |
| Awards | |
| Related Resources Related Resources 1 Related Resource Name Resource Code Identifier Type Relationship To This Dataset Resource Type Type Series Name | <p>Online Resource</p> |
| 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 | |
| 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 |
| 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/3f1231cf-2795-4d6a-8576-6eb5f3fbd8d9/resource/abeccd24-eedc-4ef5-862a-f90e7266c569/download/baysys2018_particulate_organic_carbon_ice.csv |
| Name | Particulate organic carbon - ice |
| Description | Particulate organic and total carbon of bottom-ice algal communities and Melosira arctica - Hudson Bay 2018 |
| Format | CSV |
| Resource Category | data |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/3f1231cf-2795-4d6a-8576-6eb5f3fbd8d9/resource/5fdf34cf-517a-4215-86d0-b5af479afbba/download/baysys2018_particulate_organic_carbon_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/3f1231cf-2795-4d6a-8576-6eb5f3fbd8d9/resource/e3dfb0d7-ba4e-4070-948d-591d80dc8184/download/baysys2018_particulate_organic_carbon_water.csv |
| Name | Particulate organic carbon - water |
| Description | Particulate organic and total carbon of phytoplankton and melt pond communities - Hudson Bay 2018. |
| Format | CSV |
| Resource Category | data |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/dataset/3f1231cf-2795-4d6a-8576-6eb5f3fbd8d9/resource/8ec3886f-2aa2-4837-b9fc-17f451c8804f/download/baysys2018_particulate_organic_carbon_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 |

Campaigns

| Field | Value |
|--------------|---|
| Title | 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign |
| URL | https://canwin-datahub.ad.umanitoba.ca/data/fr/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign |