

Metadata

Field	Value
Dataset Name	Southampton Island Marine Ecosystem Project (SIMEP) Rosette CTD Data 2019
Dataset General Type	SIMEP Rosette CTD profiles
Dataset Type	Collection
Dataset Level	1.1
Program Website	https://umanitoba.ca/earth-observation-science/field-stories/simep-field-story
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/group/marine
Title	Subsurface Temperature
URL	https://canwin-datahub.ad.umanitoba.ca/data/group/subsurface-temperature
Dataset Status	Complete
Maintenance and Update Frequency	As needed

Field	Value
Dataset Last Revision Date	2024-12-02
Dataset DOI	10.34992/4m77-yt25
Metadata Creation Date	2026
Publisher	CanWIN
Dataset Authors	
Dataset Authors 1	
Name	Yezhova, Kate
Type of Name	Personal
Email	kate.yezhova@umanitoba.ca
Affiliation	Centre for Earth Observation Science - University of Manitoba
ORCID ID	
Contributors	
Contributors 1	
Name	
Role	
Email	

Field	Value
Affiliation	
ORCID ID	
Project Data Curator	Yezhova, Kate
Project Data Curator email	kate.yezhova@umanitoba.ca
Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
Dataset Collection Start Date	2019-08-05
Dataset Collection End Date	2019-08-29
Sample Collection	
Sample Collection 1	
Sampling Instrument Name	SBE 19plus V2 SeaCAT Profiler CTD SN7798 in an SBE 32 Carousel Water Sampler SN32-1173 (Rosette CTD)
Standardized Sampling Instrument Name	CTD
Sample Collection Method Name	
Comment	
Method Link	

Field	Value
Method Summary	<p>Hydrographic profiles using conductivity, temperature and depth (CTD) sondes were obtained across straits and along channels to best cover water column structure around the island. Two separate, but identical pumped Seabird 19plus CTDs with Biospherical scalar photosynthetically active radiation (PAR) and Seabird ECOtriplet fluorometer sensors, were used to collect hydrographic profiles, one standalone (autonomous) CTD and one mounted on the ship's rosette. It is noted that the ship's rosette also had a Seabird dissolved oxygen sensor. There were more than 200 profiles collected in total with very good coverage around the island. Rosette data was collected using a Seabird 32 pylon, 19Plus V2, and 33 deck unit. Rosettes are water sampling instruments used in conjunction with oceanographic sensors to measure a number of variables. Rosettes give us a detailed snapshot of the entire water column through these sensors and through water samples collected at various depths within the column.</p>
Method Description Type	<p>Methods</p>
Activity Collection Type	<p>Field Measurement</p>
Preferred citation	
Analytical Instrument Analytical Instrument 1 Analytical Instrument Name Standardized Analytical Instrument Name Analytical Instrument Identifier Id Analytical Instrument Title Type Analytical Instrument Identifier Type	<p>Alternative Title</p>

Field	Value
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
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	

Field	Value
Relationship To This Dataset	
Resource Type	Online Resource
Type	
Series Name	
Publications	
Publications 1	
Publication Name	
Identifier Code	
Identifier Type	
Relationship to this dataset	
Resource Type	Online Resource
Publication Type	
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

Field	Value
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/225a43d3-410f-42cf-969f-2b947981e900/download/2019_rosette_bottle_data.csv
Name	2019 Rosette Bottle Data
Description	Processed bottle file
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/61b16ddc-d51c-43b2-b46d-f824cc6854bb/download/excel_2019_rosette_ctd_downcasts_cleaned.csv
Name	2019 Rosette CTD Downcasts
Description	CTD Downcasts - CSV
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/d06da455-3d62-49e1-a9f9-d1d7ec5f21ad/download/2019_wk_ros_ctd_sn7798.zip
Name	All data processing files

Field	Value
Description	All data, setup, and configuration files used in processing. Please note that you can directly access the processed files, cookbook (processing instructions), and scripts on the main page. **Click on the .zip file below to download**
Format	ZIP
Resource Category	raw_data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/58d0849f-1e19-4ece-bd32-304ade8cd479/download/r_scripts.zip
Name	R Scripts
Description	Scripts used for data processing.
Format	ZIP
Resource Category	scripts
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/6f491ddf-4ee0-4d1f-a279-f0c5f5dea2f1/download/2019-rosette-ctd-cookbook.pdf
Name	Cookbook
Description	CTD Rosette data processing steps.
Format	PDF

Field	Value
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/f1e64c7c-c309-4229-989f-c09d71a11457/download/deatiled-data-dictionary-rosette-ctd-simep.xlsx
Name	Detailed Data Dictionary - Rosette CTD
Description	Descriptions of all variables in downcast data.
Format	XLSX
Resource Category	data

Related Publications

Field	Value
Title	The Southampton Island Marine Ecosystem Project, 2019 Cruise Report, 2-29 August, MV William Kennedy
URL	https://canwin-datahub.ad.umanitoba.ca/data/publication/simep-2019-cruise-report

Instrument details

Field	Value
Title	Rosette CTD
URL	https://canwin-datahub.ad.umanitoba.ca/data/instrument_details/ros-ctd