

Metadata

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/en/group/marine
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2024-12-02
Dataset DOI	10.34992/4m77-yt25
Metadata Creation Date	2025
Publisher	CanWIN

Dataset Authors

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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

Method Summary

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.

Method Description Type

Methods

Activity Collection Type

Field Measurement

Preferred citation

Analytical Instrument

Analytical Instrument 1

Analytical Instrument Name

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>

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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	
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

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.csv
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/2019_rosette_ctd_downcasts.csv
Name	2019_rosette_ctd_downcasts.csv
Description	CTD Downcasts - CSV
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/cc444356-ff9c-48db-ab57-433c727606e3/resource/6a8d5fe9-1eb4-46bb-b4fa-d6facbd13c3a/download/odv_2019_rosette_ctd_downcasts.txt
Name	odv_2019_rosette_ctd_downcasts.txt
Description	ODV CTD downcasts
Format	TXT
Resource Category	data
URL	https://canwinerddap.ad.umanitoba.ca/erddap/files/SIMEP_7572_f7b4_1f72/2019/Rosette_CTD/
Name	All data processing files
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	HTML
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
Resource Category	documents

Related Publications

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

Instrument details

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