

Metadata

Dataset Name	Southampton Island Marine Ecosystem Project (SIMEP) Autonomous CTD Data 2018
Dataset General Type	SIMEP Autonomous 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
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2024-12-02
Dataset DOI	10.34992/wnss-rv41
Metadata Creation Date	2025
Publisher	CanWIN
Dataset Authors	

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**Dataset
Collection
Start Date** 2018-08-10

**Dataset
Collection
End Date** 2018-08-22

**Sample
Collection**

**Sample
Collection 1**

Sampling Instrument Name SBE 19plus V2 SeaCAT Profiler 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.

Method Description Type Methods

Activity Collection Type

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	
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/ab10303b-4ebb-45f6-a251-b9c7ce2c78cc/resource/31e26c4f-f6a2-4916-9158-1e586c284d14/download/excel_2018_autonomous_ctd_downcasts.csv
Name	2018_autonomous_ctd_downcasts.csv
Description	CTD Downcasts - CSV
Format	CSV
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/ab10303b-4ebb-45f6-a251-b9c7ce2c78cc/resource/1426f162-3f09-497d-ae95-98ff30055d42/download/odv_2018_autonomous_ctd_downcasts.txt
Name	odv_2018_autonomous_ctd_downcasts.txt
Description	ODV CTD downcasts
Format	TXT
Resource Category	data

URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/ab10303b-4ebb-45f6-a251-b9c7ce2c78cc/resource/b78e999d-062e-43f6-9b80-55f7a8635ae1/download/kates-2018-ctd-cookbook.pdf
Name	Cookbook
Description	CTD Rosette data processing steps.
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/ab10303b-4ebb-45f6-a251-b9c7ce2c78cc/resource/8a4192dc-a195-41fd-9744-b347dfb36de7/download/r_scripts.zip
Name	R Scripts
Description	Scripts used for data processing.
Format	ZIP
Resource Category	scripts
URL	https://canwinerddap.ad.umanitoba.ca/erddap/files/SIMEP_9c64_d6aa_6dd0/2018/Autonomous_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	
Resource Category	raw_data

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/publication/simep-2019-cruise-report