

Metadata

Dataset Name	Southampton Island Marine Ecosystem Project (SIMEP) Autonomous CTD Data 2019
Dataset General Type	SIMEP Autonomous CTD profiles
Dataset Type	Collection
Dataset Level	1.1
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
Dataset Status	Complete
Maintenance and Update Frequency	As needed
Dataset Last Revision Date	2024-12-02
Dataset DOI	10.34992/nzp6-ht15
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

Standardized Sampling Instrument Name

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 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

Analytical Method 1**Analytical Method Name****Method Link****Method Summary****Laboratory****Comments****Variables Measured****License Name**

Creative Commons Attribution 4.0 International

Licence Type

Open

Embargo Date**Licence URL**<https://spdx.org/licenses>**Terms of Access**

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Awards**Awards 1****Award Title****Website****Funder Name****Funder Identifier Code****Funder Identifier Type****Funder Identifier Scheme****Grant Number**

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/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/4ae74dc9-e656-457c-b464-1ebeeaa2826d6/download/excel_2019_autonomous_ctd_downcasts.csv

Name excel_2019_autonomous_ctd_downcasts.csv

Description CTD Downcasts - CSV

Format CSV

**Resource
Category** data

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/b581baab-3216-4239-90ef-bbcbf77a0707/download/odv_2019_autonomous_ctd_downcasts.txt

Name odv_2019_autonomous_ctd_downcasts.txt

Description ODV CTD downcasts

Format TXT

**Resource
Category** data

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/f3e8b022-485d-4008-8f92-a7b09c3e63a1/download/odv_2019_autonomous_ctd_downcasts.txt

Name odv_2019_autonomous_ctd_downcasts.txt

Description ODV CTD downcasts

Format TXT

**Resource
Category** data

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/a59ec159-c2c8-4938-bb5d-5db8357987d8/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/6ca3f089-9abc-4ac4-ac17-c8953967f1b5/resource/8ff80683-6255-4fcb-97ff-583316300dda/download/kates-2019-ctd-cookbook.pdf
Name	Cookbook
Description	CTD Rosette data processing steps.
Format	PDF
Resource Category	documents
URL	https://canwinerddap.ad.umanitoba.ca/erddap/files/SIMEP_7572_f7b4_1f72/2019/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	HTML
Resource Category	raw_data