

Metadata

Standardized Instrument Name	WETLabs ECO Triplet sensor
Scheme URI	http://vocab.nerc.ac.uk/collection/L22/current/TOOL0674/2/
Term URI	SDN:L22::TOOL0674
Instrument DOI	
Instrument Unique ID	BBFL2WB-1440
ID Type	Serial number
Model No.	1440
Instrument Type	Baseline
Description	<p>An ecotriplet is a three-optical-sensor, instrument that may carry any combination of single-wavelength fluorometers or scattering meters. The MBL ecotriplets are deployed on static moorings placed in the MBGL study lakes. The fluorometers can be configured (with typical sensitivities) for chlorophyll (470/695 nm, sensitivity 0.015-0.025 ug/l), FDOM (370/460 nm, sensitivity 0.184 ppb), phycocyanin (630/680 nm, 0.086 ppb), phycoerythrin (520/595 nm, sensitivity 0.086 ppb), The scattering meter can typically measure optical scattering at blue, green or red wavelengths (412, 470, 532, 650, 700 and 880 nm, sensitivity 0.002-0.003 m-1).</p>
Manufacturer	Wetlabs
Manufacturer type	Organizational
Notes	UM Unique id = 094359
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	ECO Phycocyanin (PC) Fluorometer
Instrument Sensor Serial No.	BBFL2WB-1440
Sensor Range	0-175
Sensor Sensitivity	0.086
Sensor Units	ppb

Last Calibration Date 2021-03-05

Sensor Details 2

Instrument Sensor Name ECO Chlorophyll (Chl) Flurometer

Instrument Sensor Serial No. BBFL2WB-1440

Sensor Range 0-30; 0-50

Sensor Sensitivity 0.015; 0.025

Sensor Units ug/l

Last Calibration Date 2021-03-05

Sensor Details 3

Instrument Sensor Name Scattering Meter

Instrument Sensor Serial No. BBFL2WB-1440

Sensor Range 0-5; 0-3; 0-5

Sensor Sensitivity 0.003; 0.002

Sensor Units m-1

Last Calibration Date 2021-03-05

Data and Resources

URL <https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/0c5cb09d-9f43-40ad-a614-de15031573bd/download/bbfl2wb-1440.dev>

Name 2016 Ecotriplet 1440 Dev file

Description The Dev file is required for conversion of data from ecotriplets. This file was created from the April 27, 2016 calibration and provided by Wetlabs.

Format

Resource Category scripts

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/871ff973-6920-406d-bbf1-ec8f509d2407/download/bbfl2wb-1440_2019.dev

Name 2019 Ecotriplet 1440 Dev file

Description	Dev file is required for conversion of dta from ecotriplets. This file was created from the Feb. 12, 2019 calibration and provided by Wetlabs.
Format	
Resource Category	scripts
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/c50c2240-ff6f-4667-b359-cfaa409457ef/download/ecotriplet_1440_phyco_2019.pdf
Name	2019 Chlorophyll, Phycocyanin Calibration Sheet
Description	Calibration file provided by WeLabs for phycocyanin and chlorophyll sensors for Ecotriplet 1440, calibrated Feb. 12, 2019
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/9f0bcf4d-90c1-45ad-877b-82da6dc9960b/download/ecotriplet_1440_scattermet_2019.pdf
Name	2019 Scattering sensor calibration file for Ecotriplet 1440
Description	Calibration file for scattering meter for Ecotriplet 1440, calibrated Feb. 12, 2021
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/9bfd4319-d688-43d8-b19e-a09c1a3d56ba/download/ecotriplet_1440_bbf12wb_1440_2021calibr_phyco.pdf
Name	2021 Calibration file for phycocyanin for Ecotriplet 1440
Description	Calibration file for phycocyanin sensor for Ecotriplet 1440, calibrated March 5, 2021
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/40563411-e479-4b2b-8676-58d24dfc4ed7/download/ecotriplet_1440_bbf12wb_1440_2021.pdf
Name	2021 Calibration file for chlorophyll, scattering sensors for Ecotriplet 1440
Description	Calibration file for chlorophyll, scattering sensor for Ecotriplet 1440, calibrated March 5, 2021
Format	PDF

**Resource
Category**

documents

Deployment details

Title Lake Waterhen Mooring 2016 Deployment

URL https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/gl_lwh-2016-deployment

Campaigns

Title MBGL Synoptic Survey 1 May-June 2016

URL <https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss1-may-june-2016>