

# Metadata

<b>Standardized Instrument Name</b>	WETLabs ECO Triplet sensor
<b>Scheme URI</b>	<a href="http://vocab.nerc.ac.uk/collection/L22/current/TOOL0674/2/">http://vocab.nerc.ac.uk/collection/L22/current/TOOL0674/2/</a>
<b>Term URI</b>	SDN:L22::TOOL0674
<b>Instrument DOI</b>	
<b>Instrument Unique ID</b>	BBFL2WB-1442
<b>ID Type</b>	Serial Number
<b>Model No.</b>	1442
<b>Instrument Type</b>	Baseline
<b>Description</b>	<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>
<b>Manufacturer</b>	Wetlabs
<b>Manufacturer type</b>	Organizational
<b>Notes</b>	
<b>Sensor Details</b>	
<b>Sensor Details 1</b>	
<b>Instrument Sensor Name</b>	ECO Phycocyanin (PC) Fluorometer
<b>Instrument Sensor Serial No.</b>	BBFL2WB-1442
<b>Sensor Range</b>	0-175
<b>Sensor Sensitivity</b>	0.086
<b>Sensor Units</b>	ppb

**Last Calibration Date** 2019-02-15

### Sensor Details 2

**Instrument Sensor Name** ECO Chlorophyll (Chl) Flurometer

**Instrument Sensor Serial No.** BBFL2WB-1442

**Sensor Range** 0-30; 0-50

**Sensor Sensitivity** 0.015

**Sensor Units** ug/l

**Last Calibration Date** 2019-02-15

### Sensor Details 3

**Instrument Sensor Name** Scattering Meter

**Instrument Sensor Serial No.** BBFL2WB-1442

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

**Sensor Sensitivity** 0.003; 0.002

**Sensor Units** m-1

**Last Calibration Date** 2019-02-15

# Data and Resources

<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/fda71d5c-4cfb-43ef-8ba0-a41f212a5231/download/bbfl2wb-1442_2016.dev">https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/fda71d5c-4cfb-43ef-8ba0-a41f212a5231/download/bbfl2wb-1442_2016.dev</a>
<b>Name</b>	2016 Ecotriplet 1442 Dev file
<b>Description</b>	The dev file is required for conversion of data from ecotriplets. This file was created from the May 10, 2016 calibration and provided by Wetlabs
<b>Format</b>	
<b>Resource Category</b>	scripts
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/e2e3436e-c3ce-4473-87bf-001999368f7b/download/ecotriplet1442_phcy_repair_2019.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/e2e3436e-c3ce-4473-87bf-001999368f7b/download/ecotriplet1442_phcy_repair_2019.pdf</a>
<b>Name</b>	2019 Phycocyanin calibration file and repair sheet for Ecotriplet 1442
<b>Description</b>	Calibration file provided by Wetlabs for Phycocyanin sensor calibration and list of any repairs conducted on Ecotriplet from Feb. 15, 2019 calibration.
<b>Format</b>	PDF
<b>Resource Category</b>	documents
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/a65a913e-fb58-441d-902c-b94d35350dbb/download/ecotriplet1442cal_scattering_chl_2019.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/a65a913e-fb58-441d-902c-b94d35350dbb/download/ecotriplet1442cal_scattering_chl_2019.pdf</a>
<b>Name</b>	2019 Chlorophyll and scattering sensor calibration for Ecotriplet 1442
<b>Description</b>	Calibration file for chlorophyll and scattering sensor for Ecotriplet 1442, calibration Feb. 15, 2019 by Wetlabs.
<b>Format</b>	PDF
<b>Resource Category</b>	supplemental

# Campaigns

<b>Title</b>	MBGL Synoptic Survey 1 May 15 - May 23, 2017
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-synoptic-survey-1-may-15-2017">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-synoptic-survey-1-may-15-2017</a>
<b>Title</b>	MBGL Synoptic Survey 1 May-June 2016
<b>URL</b>	<a href="https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-ss1-may-june-2016">https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-ss1-may-june-2016</a>