

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-1436
ID Type	Serial Number
Model No.	1436
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	
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	ECO Phycocyanin (PC) Fluorometer
Instrument Sensor Serial No.	BBFL2WB-1436
Sensor Range	0-175
Sensor Sensitivity	0.086
Sensor Units	ppb

**Last Calibration
Date**

Sensor Details 2

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

**Instrument
Sensor Serial
No.** BBFL2WB-1436

Sensor Range 0-30; 0-50

**Sensor
Sensitivity** 0.015; 0.025

Sensor Units ug/l

**Last Calibration
Date**

Sensor Details 3

**Instrument
Sensor Name** Scattering Meter

**Instrument
Sensor Serial
No.** BBFL2WB-1436

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

**Sensor
Sensitivity** 0.003; 0.002

Sensor Units m-1

**Last Calibration
Date**

Campaigns

Title MBGL Synoptic Survey 2 July 27 - August 20, 2016

URL <https://canwin-datahub.ad.umanitoba.ca/data/fr/campaign/mbgl-ss2-july-august-2016>

Title MBGL Synoptic Survey 1 May-June 2016

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