

Metadata

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| 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>