REQUIREMENTS: Sensor Support

Great Lakes Data Watershed (gldw.org)

Instrument Toolkit Program

Revised: June 7, 2019

The Instrument Toolkit Program has been created to support the development of high quality monitoring devices based on commonly available hardware and utilizing VDAB dataflow programming and customized nodes for instrument construction.

This document establishes the requirements and priorities for Sensors support.

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| **Sensor** | **Description** | **Priority** | **Notes** |
| Conductivity | Measures Conductivity, temperature and TDS | High |  |
| Water Level | Pressure based water level sensor | High |  |
| pH |  |  |  |
| Flow |  |  |  |
| Water level |  |  |  |
| Temperature |  |  | * BME280 |
| Humidity |  |  | * BME280 |
| Pressure |  |  | * BME280 |
| Altitude |  |  | * BME280 |