# SSHCZO Metadata Worksheet

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| Data File Name | **SH\_CZMW8\_Level1** |
| Date Prepared | 2017-04-11 |
| Descriptive Title | CZMW 8 & 9 Well |
| Update Frequency | Annually |
| Abstract | Groundwater level data and water temperature for CZMW 8 well are measured every 30 minutes (until 2016-11-10) using an In-Situ Inc Level Troll 500 vented pressure transducer. Fifteen (15) minute interval data start 2016-11-10. Recorded data began 2013-08-07 through 2017-07-16. Sensor removed due to failed internal battery and wire.  New Van Essen Micro-Diver sensor installed 2018-03-09. |
| Investigator  Contact Info | Dr. Susan Brantley, Professor of Geosciences, The Pennsylvania State University, 2217 Earth and Environmental Systems Institute, University Park, PA, 16802, 814.865.1619, [sxb7@psu.edu](mailto:sxb7@psu.edu). |
| Data Value Descriptions | * COL1: label = TmStamp\_UTC * COL2: label = WaterTemp\_C; Units = degC * COL3: label = WL\_BLG\_m; Units = meters; water level below ground; corrected based manual field measurements |
| Keywords | Groundwater Depth, Groundwater Temperatures, Hydrology |
| Methods | Groundwater level measurements are recorded on an In-Situ Level Troll 500 vented pressure transducer. Data are downloaded using Win-Situ 5 software periodically.  Information for the well can be found at these links:  [Drillers Field Log](http://www.czo.psu.edu/downloads/13708_Drillers_field_log_CZMW8_9.pdf)  [Well Completion Log](http://www.czo.psu.edu/downloads/13708_Well_Completion_diagram_CZMW8_9.pdf)  well_diagram  TOC (steel) above land surface = 0.37 meters  TOC (pvc; inside steel) above land surface = 0.28 meters  Sensor (2013-08-07 through 2017-07-16) location from ground level = 22.77 meters  Micro-Diver sensor (2018-03-09) from to TOC = 24.72 meters  The water level below land surface obtained by subtracting the head pressure and above ground casing length from the sensor depth. |
| Sites | Shale Hills South Ridge Top northing/easting: 147746.6273 / 586800.2372 ; DMS: 40.66385, -77.90611 (NAD\_1983\_StatePlane\_Pennsylvania\_South\_FIPS\_3702) |
| Publications | none |
| Citation | The following acknowledgment should accompany any publication or citation of these data: Logistical support and/or data were provided by the NSF-supported Susquehanna Shale Hills Critical Zone Observatory. |
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