# SSHCZO Metadata Worksheet

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| Data File Name | **HV1\_2\_meter\_well.csv** |
| Date Prepared | 09/01/2016 |
| Descriptive Title | Harrys Valley Well 1 (HV1\_2m) |
| Update Frequency | Quarterly |
| Abstract | Groundwater level data far Harrys Valley 1 2 meter well were measured every 10 minutes using Schlumberger Micro-Diver non-vented pressure transducers. Recorded data began 2015-11-20 through present. |
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| Data Value Descriptions | * COL1: label = TmStamp\_UTC; TimeZone = UTC * COL2: label = water\_temp\_C; Units = degC, water temperature * COL3: label = WL\_BLG\_m; Units = meters |
| Keywords | Hydrology, groundwater level, groundwater temperature |
| Methods | Groundwater level measurements were recorded at ten minute intervals using Schlumberger Micro-Diver non-vented pressure transducers. Data were processed using barometric values from a HOBO data logger located at the Garner Run Outlet (40.692454 - 77.927731) and another micro-diver near the well starting. Micro-Diver software is used to download these sensors and have the capability to enter the sensor depth within the software. Manual field measurements are made using a Solinist electric tape to measure water level below ground. These manual measurements are used to apply a prorated correction between visits to create the final water level below ground (WL\_BLG\_m).  well_diagram  TOC above land surface = 0.48 meters  Sensor location down borehole from TOC = 2.59 meters (2015-11-20 to 2018-01-11)  Sensor location down borehole from TOC = 2.66 meters (2018-01-11 to present)  Sensor location below land surface = 2.11 meters (2015-11-20 to 2018-01-11)  = 2.18 meters (2018-01-11 to present)  -9999 values indicate missing erroneous data during downloads or sensor malfunctions.  Gaps, missing, or erroneous data:  2016-02-21 – sampling  2016-03-11 –sampling  2016-05-05 - sampling  2016-05-06 – bad data  2016-05-18 – bad data  2016-06-09 – sampling  2016-06-24 – sampling  2016-07- 08 – sampling  2016-08-15 – sampling  2017-04-19 – sampling  2017-05-24 – sampling  2017-07-07 – sampling  2017-07-12 – sampling  2017-08-19 – sampling  2017-09-04 – sampling  2016-08-15 to 2017-01-03; sensor out of water |
| Sites | Garner Run (Rothrock State Forest) 40.69775 -77.91889, elevation 529.438m |
| Citation | The following acknowledgment should accompany any publication or citation of these data: Logistical support and/or data were provided by the NSF-supported Shale Hills Susquehanna Critical Zone Observatory. |
| Publications | Unpublished, please embargo public access to this dataset. |
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