# SSHCZO Metadata Worksheet

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| Data File Name | **SH\_Well\_W5.csv** |
| Date Prepared | 2017-10-19 |
| Descriptive Title | Well 5 |
| Update Frequency | Quarterly |
| Abstract | Groundwater level data and water temperature for well 5 are measured every 15 minutes using a HOBO U20-001-01 non-vented pressure transducer. Recorded data began 2017-05-26 through present. |
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| Data Value Descriptions | * COL1: label = TmStamp\_UTC; Timezone = UTC * COL2: = WaterTemp\_C; water temperature; Units = degC * COL3: label = WL\_BLG\_m; adjusted water level below ground; Units = meters |
| Keywords | Groundwater Depth, Groundwater Temperatures, Hydrology |
| Methods | Groundwater level measurements are recorded every 15 minutes on a HOBO U20-001-01 non-vented pressure transducer. Data are manually downloaded monthly using HOBO-Ware Pro software. Sensor depths are calculated in the software by processing with barometric pressure data recorded on a separate HOBO U20-001-01 pressure transducer. 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).  TOC above land surface = 0.22 meters  Sensor location down borehole from MP = 3.90 meters  Sensor location below land surface = 3.68 meters  The water table below land surface is obtained by subtracting the head pressure and above ground casing length from the sensor depth. |
| Sites | Shale Hills North Swale northing/easting: 147832.854/ 586781.252; DMS: 40.664623, -77.906329 (NAD\_1983\_StatePlane\_Pennsylvania\_South\_FIPS\_3702); Elevation 263.03 meters |
| 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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