# CZO Metadata Worksheet

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| Data File Name | Spatial TDR |
| Record Period | 07/10/2017 to 12/13/2018 |
| Descriptive Title | Susquehanna Shale Hills Critical Zone Observatory Spatially Distributed TDR data |
| Update Frequency | Yearly |
| Abstract | 88 Time Domain Reflectometry (TDR) sensors were established at 33 different topographic locations (ridge top (RT), mid slope planar (MSP), swale (SW), and valley floor (VF)). TDR sensors were placed at 20, 40, and 60 cm depths where possible. Sensors were measured from July 10, 2017 through December 13, 2018. |
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| Data Value Descriptions | * COL1.label=Site, value=General, format= character * COL2.label= Depth, value=Depth in soil, format= numeric * COL3.label= SM, value=Soil moisture content, unit = percent, format= numeric * COL4.label=Date, value= Date, format = month/day/year |
| Keywords | Plant ecology, hydrology, soil moisture |
| Methods | TDR sensors were measured generally on a biweekly basis. TDRs were measured using a TDR100 by Campbell Scientific (Campbell Scientific, Inc., Logan, UT). |
| 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 | none |
| Data Use Notes | The user of Shale Hills Susquehanna CZO data agrees to provide proper acknowledgment with each usage of the data. Citation of the name(s) of the investigator(s) responsible for the data set, in addition to the generic statement above, constitutes proper acknowledgment. Author(s) (including Shale Hills Susquehanna CZO investigators) of published material that makes use of previously unpublished Shale Hills Susquehanna CZO data agree to provide the Shale Hills Susquehanna CZO data manager with four (4) copies (preferably reprints) of that material for binding as soon as it becomes available. The user of Shale Hills Susquehanna CZO data agrees not to resell or redistribute shared data. The user of these data should be aware that, while efforts have been taken to ensure that these data are of the highest quality, there is no guarantee of perfection for the data contained herein and the possibility of errors exists. These data are defined as either public or private, such that a password may be required for access. |