# CZO Metadata Worksheet

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| Data File Name | Channel\_point\_counts; Hillslope\_point\_counts; Infiltration\_obs; Soil\_pit\_obs; |
| Record Period | Summer survey 2015 and 2016 |
| Descriptive Title | Susquehanna Shale Hills Critical Zone Observatory – Garner Run subcatchment observation sites |
| Update Frequency | N/A |
| Abstract | Location and (when available) quantitative information for the data points collected in geomorphic surveys in the Garner Run subcatchment. |
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| Data Value Descriptions | Infiltration\_obs:  These sites are the locations of the double-ring infiltrometer tests as well as sprinkling experiments. While the sprinkling experiments were largely qualitative, I will also include the data from the infiltrometer tests and a graphical display of data.  Soil\_pit\_obs:  Lists locations of shallow soil pits in addition to 4 groundHog sites.  Year of survey is listed under "Field\_seas"  We noted horizon depth and texture when available.  Hillslope and channel point counts:  These data are based on Wolman (1954) point counts measuring the intermediate grain axes, and long and short axes when available.  In the channel, the "width" lists channel width at the surveyed site.  Each site contains d50 and d854 measurements. These are the lengths of the grains at the 50th and 84th percentiles, respectively. Hillslope counts include d16, which is the 16th percentile. They also list the minimum and maximum grain lengths as dmin and dmax.  Hillslope observations contain the "cover type" as listed on the surface cover map.  Surface cover map:  This is a geomorphic map of the soil texture, ranging from soil-mantled to open blockfield. This was compiled over two seasons of surveying at a 5-m resolution.  See Attribute Tables for more information |
| Keywords | Soil, geomorphology, boulder, clast, point count, grain size |
| Methods |  |
| Citation | Logistical support and/or data were provided by the NSF-supported Shale Hills Susquehanna Critical Zone Observatory. |
| Publications |  |
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