# CZO Metadata Worksheet

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| Data File Name | Surface\_Cover\_Map |
| Record Period | Summer survey 2015 and 2016 |
| Descriptive Title | Susquehanna Shale Hills Critical Zone Observatory – Garner Run subcatchment surface cover map |
| Update Frequency | N/A |
| Abstract | Geomorphic field map of soil and colluvium texture at surface in Garner Run study subcatchment. Maps degree of rockiness at ~5 m resolution in four soil texture categories ranging from open boulder fields to soil-mantled. |
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| Data Value Descriptions | n/a |
| Keywords | Soil, geomorphology, boulder, clast, point count, grain size |
| Methods | Using a lidar-derived topographic base map, we mapped soil texture for the Garner Run study subcatchment. We mapped surface cover on a 5 m roving window and classified the ground cover as (1) soil (<10% surface boulders), (2) boulders/soil (10-67% surface boulders), (3) boulders with tree canopy (>67% surface boulders), and (4) boulders with no tree canopy. While surveying, we also noted other geomorphic features such as channel heads. We also dug seven shallow (<1.5 m) test pits at the different ground cover types to assess whether the rockiness of the surface cover was reflected at depth. |
| Citation | Logistical support and/or data were provided by the NSF-supported Shale Hills Susquehanna Critical Zone Observatory. |
| Publications |  |
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