# SSHCZO Metadata Worksheet

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| Data File Name | **TempleSeed\_Infiltrometer\_2013.xlsx** |
| Date Prepared | 10/21/15, data collected 2013 |
| Descriptive Title | Infiltrometer data collected near infiltration experiments at Shale Hills and Missed Grouse |
| Update Frequency | Project complete |
| Abstract | Infiltrometer data were collected from 5-6 sites around the infiltration experiments. Map is provided in the spreadsheet file. |
| Investigator  Contact Info | *Laura Toran* [*ltoran@temple.edu*](mailto:ltoran@temple.edu)  *Jonathan Nyquist* [*nyq@temple.edu*](mailto:nyq@temple.edu)  *Henry Lin* [*hul3@psu.edu*](mailto:hul3@psu.edu) |
| Data Value Descriptions | The infiltrometer has a scale in mm. Time and mm are recorded for each test. Plots are provided, grouped by site. |
| Keywords | Infiltration experiment, Shale Hills, Missed Grouse, geophysical monitoring |
| Methods | IN2-W Turf Tec double ring infiltrometer was used. Inner ring diameter is 0.06 m. Steady state tests were performed by measuring the amount of infiltration after a fixed time. For the transient method the infiltration amount was recorded every minute. Water was added (amount recorded) when necessary to keep the float within the recording interval.  Multiple depths were tested when possible (10, 20 30 cm). |
| Sites | Shale Hills watershed north slope  Missed Grouse watershed, short way up the road before the shale pit |
| Publications | Pitman, Lacey. 2014. Ground-penetrating radar images of a dye tracer test within the unsaturated zone at the Suusquehanna-Shale Hills CZO. Unpublished Master’s Thesis, Temple University.  Nyquist, J, Toran, L, Pitman, L and Lin, H.  Comparison of Time-Lapse GPR and Dye Tracer Tests for Monitoring Hillslope Flow in the Susquehanna Shale Hills CZO, Pennsylvania.  In prep. |