# CZO Metadata Worksheet

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| Data File Name | Soil Porewater Concentration Data |
| Date Prepared | 4/10/2014 |
| Descriptive Title | Shale Hills CZO Soil Porewater Concentration Data (Level 1) |
| Update Frequency | Monthly (sporadic) |
| Abstract | The soil porewater NO3 and NH4 concentrations for the planar slope and swale sampling locations in the Susquehanna Shale Hills Critical Zone Observatory watershed.  |
| InvestigatorContact Info | Dr. Jason Kaye, Professor of Soil Biogeochemistry, 416 Agricultural Sciences and Industries Building, University Park, PA 16802. (814)863-1614; jpk12@psu.eduJulie Weitzman, Postdoctoral Research Associate, Cary Institute of Ecosystem Studies, Box AB, 2801 Sharon Turnpike, Millbrook, NY 12545, 845-677-7600 (ext. 283), weitzmanj@caryinstitute.org  |
| Data Value Descriptions | * COL1: label=Site Name
* COL2: label=Date
* COL3: label=Depth (cm)
* COL4: label=NO3 concentration (ppm)
* COL5: label= NH4 concentration (ppm)
* COL6 (If present): DOC concentration (ppm)
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| Keywords | NO3 Concentration, Soil porewater NO3, NH4 Concentration, Soil porewater NH4 |
| Methods | Soil porewater was collected using nested-suction lysimeters (Soil water samplers, 1900 series, SoilMoisture Equipment Corp., Santa Barbara, CA) that collected soil water in 10 cm depth increments. All lysimeters were suctioned to 50 k Pa one day prior to sampling. Soil porewater was collected from each lysimeter using tubing and a peristaltic pump. Samples were brought to the lab and filtered through Whatman #1 filter paper. Filtered samples were then analyzed for both nitrate (NO3-) and ammonium (NH4+) using colorimetric analysis on a Multiskan EX microplate spectrophotometer (Thermo Scientific, Waltham, MA). |
| 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 Author(s) (including Shale Hills Susquehanna CZO investigators) of published material that makes use of previously unpublished Shale Hills Susquehanna CZO data agree to provide the Shale Hills Susquehanna CZO data manager with four (4) copies (preferably reprints) of that material for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. |