# 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. |
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| 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) |
| 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 |
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