# CZO Metadata Worksheet

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| Data File Name | Tracer Tests |
| Date Prepared | 1/19/11 |
| Descriptive Title | Shale Hills CZO lab and field-scale conservative (NaBr) tracer tests |
| Update Frequency | Campaign data—not updated |
| Abstract |  |
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| Data Value Descriptions | * The first column in each data set is time (minutes for the field data, hours for the lab) and the second column is concentration (as fluid electrical conductivity in uS/cm in the field data, normalized by the maximum concentration for the laboratory—a value of one would indicate a breakthrough equal to the injected concentration. Negative values in lab data have not been altered and indicate small errors in calibration. |
| Keywords | Solute tracer test |
| Methods | * The tracer tests are outlined in the VZJ article cited below. |
| 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 | Kuntz, B., Rubin, S., Berkowitz, B., and Singha, K. (submitted) Laboratory, Field, and Modeling Analysis of Solute Transport Behavior at the Shale Hills Critical Zone Observatory. Submitted to Vadose Zone Journal. |
| 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 Author(s) (including Shale Hills Susquehanna CZO investigators) of published material that makes use of previously unpublished Shale Hills Susquehanna CZO data agree to provide the Shale Hills Susquehanna CZO data manager with four (4) copies (preferably reprints) of that material for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. |