# SSHCZO Metadata Worksheet – Sample/*Instructions*

(A blank version of this worksheet is on page 2.)

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| Data File Name | **SHG.txt** |
| Date Prepared | 2/28/2011 – *Date when sent to Data Manager for Posting* |
| Descriptive Title | Terrestrial Laser Scan – *Short but Specific* |
| Update Frequency | Monthly |
| Abstract | *Describe what the data are measuring, e.g.,* Terrestrial laser mapping (TLM) of the SSHO was conducted in March, 2010 to provide centimeter scale spatial data of the watershed. Motivation for this high resolution scanning includes characterization of micro-topographic features, primary among which are tree throw pit and mound pairs. This file is a comma delimited text file containing x, y, and z spatial data collected during the TLM effort. This point cloud data produce a centimeter scale DEM of the western 1/3 of the SSHO watershed. |
| Investigator  Contact Info | *Name, Title, Address, Phone, E-mail* |
| Data Value Descriptions | *Describe each column, including label (variable name), units, etc. Example:*   * COL1: label = Day of year, UTCOffset=-4, TimeZone=EST. * COL2: label = Decimal time of day, UTCOffset=-4, TimeZone=EST. * COL3: label = SoilElectricConductivity-5, Units = dS/m, TimeSupport = 10 min, Offset = -5 cm |
| Keywords | *Searchable terms relating to the dataset, e.g.,* Terrestrial laser mapping, high resolution DEM, pit and mound topography |
| Methods | *Describe what equipment and methods are used to measure/collect/process the data, e.g.,* Data collected using RIEGL LMS – Z620 extra long range and high accuracy 3D terrestrial laser scanning system. Data processed using RiSCAN Pro software. |
| Sites | *Location(s) of equipment and/or samples taken. Example:*   * SSH\_51: Shale Hills Super Site 51, Lat 40.664941 Lon -77.904741 Elev 274.501113 Projection: NAVD88 Local X 586915.6188 Local Y 147867.8682 Local Proj PA South * SPVF: South Slope Planar Valley Floor, Lat 40.6644664 Lon -77.9062619 Elev 263.288207 Proj NAVD88 Local X 586786.8822 Local Y 147815.4127 Local Proj PA South |
| Publications | *List of publications which used this dataset. Example:*   * Graham, C., and H.S. Lin. 2011. Controls and frequency of preferential flow occurrence at the Shale Hills Critical Zone Observatory: A 175 event analysis of soil moisture response to precipitation. Submitted to *Vadose Zone Journal*(in press). |

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| 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. |
| 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. |