# CZO Metadata Worksheet

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| Data File Name | SH\_LAI-CC-2010.xlsx |
| Date Prepared | 1/20/2011 |
| Descriptive Title | Shale Hills Susquehanna Critical Zone Observatory Leaf Area Index and Canopy Closure Data |
| Update Frequency | Annual |
| Abstract | Leaf Area Index (LAI) and Canopy Closure (CC) were measured from April to October of 2010 at up to 70 points in the watershed about every two weeks (twice a month). At each point, LAI and CC were measured in four directions and averaged. Soil moisture was measured at many of the same points on a regular basis. LAI was measured using a LAI-2200 instrument (LI-COR Biosciences). Canopy closure was measured with a spherical densiometer, Model C Forest Densiometers). |
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| Data Value Descriptions | * SID: Site identification number * Elevation: elevation in meters * LAI425: Leaf Area Index collected on April 25, 2010. Other collection dates follow the same format. * PCC: Percent canopy closure * X: X GPS coordinate * Y: Y GPS coordinate |
| Keywords | Leaf area index, canopy closure, crown closure, spatial data |
| Methods | * Leaf Area Index (LAI): LAI-2200, LI-COR Biosciences * Canopy closure:  Spherical Densiometer, Model C, Forest Densiometers |
| 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 Author(s) (including Shale Hills Susquehanna CZO investigators) of published material that makes use of previously unpublished Shale Hills Susquehanna CZO data agree to provide the Shale Hills Susquehanna CZO data manager with four (4) copies (preferably reprints) of that material for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. |

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