# CZO Metadata Worksheet

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| Data File Name | **SHHCZO 2008 2012 tree aboveground biomass.xlsx** |
| Date Prepared | 12/16/2014 |
| Descriptive Title | Shale Hills Critical Zone Observatory Above-Ground Biomass Data |
| Update Frequency | Annual |
| Abstract | Above-ground biomass of trees in Shale Hills based on diameter at breast height (DBH), including wood and foliage, calculated based on 2008 and 2012 measurements. |
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| Data Value Descriptions | Tree ID: tree identification number assigned  Species code: 4 letter code for species, see Species Codes sheet  Y-Coordinate: NAD 1983 StatePlane Pennsylvania South FIPS 3702, units in meters  X-Coordinate: NAD 1983 StatePlane Pennsylvania South FIPS 3702, units in meters  2008 DBH: Diameter at breast height in 2008 (cm)  2012 DBH: Diameter at breast height in 2012 (cm)  Estimated 2008 Aboveground Biomass: biomass from 2008 measurement and calculation (kg)  Estimated 2012 Aboveground Biomass: biomass from 2012 measurement and calculation (kg) |
| Keywords | Trees, species, wood, foliage, biomass, diameter |
| Methods | Above-ground biomass estimates calculated with allometric equations based on tree diameter at breast height (DBH) from Jenkins et al. 2004 (Jenkins J, Chojnacky D, Heath L, Birdsey R. 2004. Comprehensive Database of Diameter-based Biomass Regressions for North American Tree Species. USDA Forest Service. General Technical Report NE 319: 1-48). AG biomass estimates include wood and foliage. |
| 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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