

**SSHCZO Available Datasets – www.czo.psu.edu & criticalzone.org – 09 Feb 2016**

†Measurements presumed finished or not ongoing

<u>Garner Run</u>	<u>Public</u>	<u>Embargo</u>
COSMOS Neutron Counts & Soil Moisture .....		2015
†Fiber-Optic Distributed Temperature Sensor .....		2014
Soil Geochemistry .....		2014
†Vegetation Transects .....		2014
<u>Shale Hills</u>	<u>Public</u>	<u>Embargo</u>
†Watershed Reanalysis.....	1979 – 2010	
Stream Flow/Discharge Reanalysis.....	2008 – 2015	
†Stream Flow/Discharge (Weir) .....	2006 – 2012	
Stream Flow/Discharge (New Flume).....	2015 –	
†Groundwater .....	2009 - 2012	
†Precipitation (hourly and daily) .....	2006 - 2013	
Precipitation (& other meteorology; daily and 10-minute, raw) .....	2009 – 2016	
4-Way Radiation (10-min, raw) .....	2014 – 2016	
†Real-Time Hydrology Network (RTH2 & 3) Soil Moisture.....	2009 - 2012	
Land-Atmosphere (“Surface”) Fluxes .....	2009 – 2015	
†Hydropedologic Properties.....	2007 – 2013	
†TDR Soil Moisture .....	2006 – 2015	
†LPM Disdrometer.....	2009 - 2014	
Sap Flow .....	2009 - 2013	2014
†Flux Tower Meteorology.....	2009 - 2013	
COSMOS (Shale Hills; links to external site) .....	2011 - 2016	
†Bedrock Elevation .....	unknown	
†Ground Survey Map.....	2010	
†Control Point Survey .....	unknown	
†Terrestrial Laser Mapping.....	2010	

Tree Survey .....	2008 – 2012	
†Leaf Area Index .....	2010	
†LIDAR Vegetation Survey .....	2010	
Litter / Dendroband .....		2011 – 2013
Above-Ground Tree Biomass Data .....		2008 - 2012
†LAI Movie .....	2010	
†Vegetation Transects .....		2014
PHENOCAM (links to external site).....	2012 - 2015	
National GIS (DEM, Digital OrthoPhoto, Geology (USGS), Land Cover, Soils, Watershed Boundary) .....	unknown	
Soil Gas .....	2013	2014
Soil Porewater Concentration .....		2013 - 2014
†Gamma Logs .....	2012	
†Wireline Logs .....	2006 – 2008	
†Solute Tracer Tests .....	2011	
†Seismic Refraction & Surface Wave Analyses.....		2013
Soil Gas Concentration, pCO <sub>2</sub> & CO <sub>2</sub> Flux .....	2008 - 2010	
Soil Geochemistry (link to CZChemDB).....		2014
†Aqueous Geochemistry (ground, soil pore, and stream water) .....	2006 - 2011	
†Stable Isotope Hydrology (precipitation, stream, ground, and soil water) ..	2008 - 2011	
†Tree Tracer Study.....	2012	
Root Length Density .....		2013
†Tree Isotope Chemistry .....	2011 – 2014	
†Tree Fall Data .....		2014
†Ground Penetrating Radar.....	2008	2013
Infiltrometer & Sieve Data .....		2013
Model Input Soil Parameters.....	2014	

Discharge and Water Chemistry .....	2014
Surface and Groundwater Chemistry .....	2014
†LIDAR (leaf-off and leaf-on) .....	2010
†LIDAR-Derived (DEM, Density, and Hillshade).....	2010
†Vegetation Analysis .....	2010
Geodatabase (GIS) .....	2014
National GIS (DEM, Geology (USGS), Land Cover, Soils, Watershed Bdy.).....	unknown

Pennsylvania Public Embargo

PAMAP LIDAR (links to external site).....	2006 - 2008
PASDA (links to external site) .....	various

Shale Transect Public Embargo

Meteorology .....	2010 - 2014
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