

On April 30 to May 2, personnel from the NSSC's Soil Survey Research and Laboratory Staff, and graduate students under the direction of Dr. Henry Lin (Pennsylvania State University, Department of Ecosystem Science and Management) completed hydrogeological investigations using ground-penetrating radar (GPR) within the Shale Hills Critical Zone Observatory (CZO). The Shale Hills CZO is a small, forested catchment in central Pennsylvania that has been the focus of National Science Foundation-supported research since the 1970s, and presently serves as a test site for evaluation of hydrogeological responses. The focus of the present geophysical research is to better understand the effects of soil structures on water fluxes that occur at different spatial and temporal scales in the shallow subsurface.