## NAME: Jason P. Pope

**CONTACT INFORMATION**

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# PROFESSIONAL PREPARATION

**M.S.** Geological Sciences (Hydrogeosciences)

Virginia Polytechnic Institute and State University (2002)

Thesis: *Characterization and Modeling of Land Subsidence due to Groundwater Withdrawals from the Confined Aquifers of the Virginia Coastal Plain*

**B.S.** Environmental Studies

 University of North Carolina at Asheville (1994)

 Research: *Phosphorus Retention in a High-Elevation Southeastern Reservoir System*

# AREAS of EXPERTISE/RESEARCH INTERESTS

Land subsidence due to groundwater withdrawals, water use measurement and estimation, GIS techniques for the analysis of hydrologic data, simulation of groundwater flow, assembly of groundwater models

**RECENT EMPLOYMENT HISTORY**

**2001-Present:** U.S. Geological Survey Hydrologist, GS-11 Grade Level, with projects including

* North Atlantic Coastal Plain groundwater availability study
* Shallow groundwater modeling in the Chesapeake Bay watershed (with Chesapeake Bay Program)
* Virginia Coastal Plain groundwater model
* Virginia Eastern Shore groundwater model
* Water-quality inventory of the Appalachian National Scenic Trail
* Estimation and compilation of water use in Virginia for USGS National Water-Use Information Program

### SELECTED PUBLICATIONS

Sanford, W.E., Pope, J.P., and Nelms, D.L., 2009, Simulation of groundwater-level and salinity changes in the Eastern Shore, Virginia: U.S. Geological Survey Scientific Investigations Report 2009–5066, 125 p.

Heywood, C.E., and Pope, J.P., 2009, Simulation of groundwater flow in the Coastal Plain aquifer system of Virginia: U.S. Geological Survey Scientific Investigations Report 2009–5039, 115 p.

Pope, J.P., McFarland, E.R., and Banks, R.B., 2008, Private domestic-well characteristics and the distribution of domestic withdrawals among aquifers in the Virginia Coastal Plain: U.S. Geological Survey Scientific Investigations Report 2007–5250, 47 p.

Pope, J.P., and T.J. Burbey, 2004, “Multiple-aquifer characterization from single borehole extensometer records.” Ground Water 42, no. 1: 45-58.

Pope, J.P., and Burbey, T.J., 2003. Characterization and modeling of land subsidence due to groundwater withdrawals from the confined aquifers of the Virginia Coastal Plain in Prince, K.R., and Galloway, D.L., eds., U.S. Geological Survey Subsidence Interest Group Conference, Proceedings of the Technical Meeting, Gelveston, Texas, November 27-29, 2001: U.S. Geological Survey Open-File Report 03-308, p. 49-56.