

# **Ernest W. Beasley IV**

Hydrogeologist

## **PROFESSIONAL SUMMARY**

Mr. Beasley is a project hydrogeologist with Analytical Services, Incorporated. His responsibilities include planning, data collection and data analyses necessary for the completion of groundwater assessment projects. Mr. Beasley is proficient with the latest in automated downwell monitoring equipment and retrieval of electronic data, data reduction, and report preparation. His experience also includes conducting comprehensive subsurface investigations, geophysical surveys, Phase I and Phase II environmental site assessments, and field geologic mapping.

Prior to joining ASI, Mr. Beasley worked as a Geoscientist with Environmental Standards, Inc. and participated in a wide range of environmental and hydrogeologic projects.

## **FIELDS OF EXPERTISE**

Aquifer Testing Design and Implementation  
Geophysical Surveys  
Groundwater Modeling  
Hydrogeologic Mapping and Fracture Trace Analysis  
Groundwater Monitoring Plan Management and Implementation  
Comprehensive Environmental Site Assessments  
Technical Writing  
ArcView GIS Applications

## **EDUCATION**

M.S., Geology (Hydrogeology Concentration), University of Georgia, 2011  
B.S., Geology, James Madison University, 2005

## **PROFESSIONAL TRAINING**

40-Hour OSHA Hazardous Waste Operations and Emergency Response 2006  
(Updated Annually)  
Schlumberger Visual Modflow Course – February 2008, Waterloo, Ontario  
Princeton Groundwater Pollution and Hydrology Course – March 2007, Orlando, FL  
University of Wisconsin Soils Engineering for Non-Engineers Course – November 2006,  
Madison, WI

## **SELECTED EXPERIENCE**

Performed aquifer testing, data collection and analysis at various testing locations in Virginia's fractured rock geology.

Conducted groundwater monitoring within a residential community positioned near a high yielding public well. The monitoring project included routine downloading of monitoring data from insitu-data loggers. Monitoring data were then used within monitoring reports prepared for County submittal.

Assisted with the field layout and implementation of numerous geophysical surveys utilizing high resolution resistivity techniques. Performed analysis of cross sectional survey results to identify low resistivity anomalies for consideration of drilling targets.

Overseen the installation of numerous groundwater monitoring wells associated with comprehensive site assessments and utilized field gauging data to prepare groundwater flow direction maps.

Field Team Leader at the Environmental Standards, Inc. Charlottesville office from 2006-2008. Duties included air, soil, groundwater and surface water sampling (and management of sampling programs), soil and bedrock boring (hollow stem auger and air rotary), monitoring well installation/development and data logging (including characterization of lithologies).

Design, installation, operation and maintenance of Soil Vapor Extraction System for the remediation of vapor-phase volatile organics in the vadose zone.

Design and implementation of a large-scale *In-Situ* Engineered, Enhanced Bioremediation program at the Ivy Landfill in Ivy, Virginia.