

## **EDUCATION**

**THE OHIO STATE UNIVERSITY, 1991-1994** Columbus, Ohio

- Master of Science (M.S.), Department of Geological Sciences.
- Concentration in applied groundwater flow modeling and hydrogeologic field studies.
- Relevant coursework – Hydrogeology, Hydrogeologic Field Methods, Contaminant Hydrogeology, Geochemistry, Environmental Geochemistry, Groundwater Flow Modeling, Contaminant Transport Seminar, Aqueous Geochemistry, Petrology of Sedimentary Rocks, Appalachian Geology Seminar, Statistics

**THE COLLEGE OF WOOSTER, 1987-1991** Wooster, Ohio

- Bachelor of Arts (B.A.), Department of Geology.
- Phi Beta Kappa, Sigma Xi - Scientific Honorary Society, Departmental and College Honors, Dean's List 1987-1991.
- Relevant coursework – Physical Geology, Structural Geology, Paleontology, Sedimentology and Stratigraphy, Mineralogy/Petrology, Chemistry, Physics, Biology, Calculus, Independent Study

## **CONTINUING EDUCATION**

- “Science of Marcellus Shale Summit”, 2010. Lycoming College, Pennsylvania.
- “74<sup>th</sup> Annual Field Conference of Pennsylvania Geologists”, 2009. Titusville, Pennsylvania.
- “Karst Hydrology”, 2006. Center for Cave and Karst Studies, Western Kentucky University, Bowling Green, Kentucky.
- “Tenth Multidisciplinary Conference – Sinkholes and the Engineering and Environmental Impacts of Karst”, 2005. Geo-Institute of the American Society of Civil Engineers, San Antonio, Texas.
- “2003 Land Recycling Program Client Workshop”, 2003, Pennsylvania Department of Environmental Protection, Harrisburg, Pennsylvania.
- “68<sup>th</sup> Annual Field Conference of Pennsylvania Geologists”, 2003. Altoona, Pennsylvania.
- “Fracture Trace and Lineament Analysis: Application to Ground Water Resources Characterization and Protection”, 2001. National Ground Water Association, State College, Pennsylvania.
- “GIS and Data Management for Ground Water Modeling”, 2000. National Ground Water Association, San Diego, California.

- “Environmental Fate of Hydrocarbons in Soils and Groundwater”, 1998. Dragun Corporation, 14th Annual Conference on Contaminated Soils, University of Massachusetts at Amherst.
- “8-Hour Site Supervisor Training Course for Hazardous Waste Operations”, 1998. Emilcott-dga, Inc. – Health, Safety and Environmental Training Program, Westerville, Ohio.
- “Soil & Ground Water Contamination and Subsurface Hydrology”, 1997. Virginia Tech, Draper Aden Environmental Modeling, Inc., San Diego, California.
- “Computer Implementation of the Air Force Intrinsic Remediation Protocol”, 1996. International Ground Water Modeling Center – Colorado School of Mines, Golden, Colorado.
- “40-Hour Health and Safety Training Course for Hazardous Waste Operations”, 1994. Emilcot-dga, Inc. – Health, Safety and Environmental Training Program, Westerville, Ohio.
- "Analysis and Design of Aquifer Tests", 1992 – 1993. National Ground Water Association, Assistant Instructor, Dublin, Ohio.
- "Capture Zone Analysis for Contaminant Remediation and Wellhead Protection", 1993. Environmental Education Enterprises, Assistant Instructor, Columbus, Ohio.

## **PROFESSIONAL EXPERIENCE**

### **MEISER & EARL**

State College, Pennsylvania

*Senior Hydrogeologist and Vice President, 2011 – present*

*Project Hydrogeologist, 2002 – 2011*

- Served as project manager and technical lead for several successful ground-water and surface-water withdrawal projects requiring Susquehanna River Basin Commission (SRBC) approvals. Projects supported Marcellus Shale exploration and production companies and their contracted providers. Gained SRBC approval for the first dedicated ground-water supply well supporting development of the Marcellus Shale.
- Designed and performed dye-tracing and well-field pumping tests to evaluate surface water – ground water interactions adjacent to a high-capacity public water supply well field in a buried valley aquifer.
- Performed a Source Vulnerability Assessment for a first-order spring in Pennsylvania serving multiple municipalities and a multinational bottling company.
- Served as project manager and technical lead for a large non-coal surface mining permit application.
- Served as project manager for several water-supply projects, including bottled water and municipal supplies.
- Constructed a three-dimensional ground-water flow model for evaluating the potential impact of expanded pumping operations to support a power generating facility in Tennessee.

- Performed extended duration pumping tests and technical evaluations including aquifer testing and reporting to support Ground-Water Withdrawal and Consumptive Use application submittals to the Susquehanna River Basin Commission.
- Developed and submitted application materials for export of bottled water to the Province of Quebec, Canada.
- Developed Wellhead and Source Water Protection Areas for Public Water Supply Well Fields.

**DANONE WATERS OF NORTH AMERICA, 2000 – 2002**      Milesburg, Pennsylvania  
*Hydrogeologist – Water Resources Department*

- Responsible for identification and characterization of potential new spring water sources and management of existing sources serving six bottling facilities in Northeast U.S. and Canada. Performed technical projects and managed consulting agreements with engineers, hydrogeologists, and fishery biologists.
- Served as technical interface with Quality Assurance, Regulatory & Government Affairs, and Engineering Departments

**BATTELLE MEMORIAL INSTITUTE, 1994 – 2000**      Columbus, Ohio  
*Project Manager – Environmental Restoration Department*

- Marine Corps Base Camp Pendleton - San Diego County, California - Served as project manager and principal investigator on two \$2.3M projects under Navy RAC contract for site assessment, fate and transport modeling, risk assessment, remediation, and potential site closure at 32 former UST sites. Responsible for proposals, schedules, budgets, monthly reports, and deliverables. Actively managed Battelle staff and subcontractors.

*Principal Research Scientist – Environmental Restoration Department*

- U.S. Department of Energy Pantex Plant - Amarillo, Texas - Served as principal investigator on \$450K project to develop a three-dimensional groundwater flow and contaminant transport model to simulate potential migration of contaminants (dissolved high explosives and metals) on both site-wide and regional scales. Acted as work order manager responsible for proposals, schedules, budgets, monthly reports, and deliverables.
- AGIP, S.p.A. - Treccate, Italy - Performed as principal investigator on a multiple-well aquifer test project and natural attenuation modeling project associated with an oil-exploration well overpressuring site.
- Naval Air Station Fallon - Fallon, Nevada - Conducted a multiple-well aquifer test and investigated the interaction between surface water and groundwater in potential downgradient surface water receptors.

- Marine Corps Air Ground Combat Center - Twentynine Palms, California - Investigated the occurrence and quality of perched groundwater beneath main side area of base.

**THE OHIO STATE UNIVERSITY, 1991 – 1994**

Columbus, Ohio

*Graduate Research Associate – Department of Geological Sciences, Department of Agricultural Engineering*

- Thesis title: “Simulation of advective flow and attenuation of two agricultural chemicals in an alluvial-valley aquifer, Piketon, Ohio.” Research performed as part of U.S. Department of Agriculture, U.S. Environmental Protection Agency, and U.S. Geological Survey joint program.
- Co-authored U.S. Geological Survey Water Resources Investigation Report.

### **CERTIFICATIONS, PROFESSIONAL AFFILIATIONS, AND AWARDS**

- Pennsylvania Professional Geologist (P.G.) No. 3812 and California Registered Geologist (R.G.) No. 6923.
- Member: National Ground Water Association (NGWA-AGWSE) and American Water Works Association (AWWA).
- Past Member of Board of Directors & Executive Committee, ClearWater Conservancy of Central Pennsylvania
- OSHA Site Supervisor, 8-Hour Refresher, and 40-Hour Health and Safety (HAZWOPER) Certification.
- American Safety and Health Institute Approved Basic First Aid and Adult CPR Certification, plus annual re-certification.
- Permit-Required Confined Space Training, Including Entrant, Attendant and Supervisor Non-Entry Rescue. August 25, 2004.
- College of Wooster – Karl ver Steeg Prize in Geology, Robert W. McDowell Prize in Geology, Northern Ohio Geological Society Outstanding Senior Award, College Scholars Award, College Leadership Scholarship.
- Boy Scouts of America - Eagle Scout.

### **PUBLICATIONS**

- Jagucki, M. J., C. D. Finton, A. E. Springer, and E. S. Bair. 1995. Hydrogeology and Water Quality at the Management Systems Evaluation Area near Piketon, Ohio. U.S. Geological Survey Water Resources Investigation Report.
- Finton, C. D. 1994. Simulation of Advective Flow and the Attenuation of Two Agricultural Chemicals in an Alluvial-Valley Aquifer, Piketon, Ohio. M.S. Thesis, The Ohio State University.

- Finton, C. D. and E. S. Bair. 1993. "The Effects of Scale-Dependent Permeability Values on the Characterization of Advective Transport of Solutes at the Ohio MSEA." Proceedings of the Agricultural Research to Protect Water Quality Conference. Soil and Water Conservation Society, Ankeny, IA.
- Wilson, M. A., T. J. Palmer, T. E. Guensburg, C. D. Finton, and L. E. Kaufman. 1992. "The Development of an Ordovician Hardground Community in Response to Rapid Sea-Floor Calcite Precipitation." *Lethaia*, 25:19-34.

## **PRESENTATIONS AND ABSTRACTS**

- Finton, C.D., R. Mage, and G. DiLuise, 1997. Natural Attenuation of a Petroleum Production Well Release in Northern Italy. In Alleman, B. and A. Leeson, eds., *In Situ and On-Site Bioremediation: Volume 1*, pp. 109-110.
- Bair, E.S., C. Finton, T. Lahm, and L. McClenahan. 1996. "On the Scale Dependency of Permeability and Anisotropy." *Geological Society of America, Abstracts with Programs*, 28(7):A-286.
- Finton, C. D., A. E. Springer, E. S. Bair, and M. J. Jagucki. 1993. "Estimating Arrival of Natural Recharge at the Water Table Using Specific Conductance, Temperature and the Detection of a Conservative Tracer." *Geological Society of America, Abstracts with Programs*, 25(6):A-377.
- Springer, A. E., C. D. Finton, and E. S. Bair. 1992. "Agricultural Water-Quality: Pesticides and Nitrate in Ground Water at the Ohio Buried Valley Aquifer Management Systems Evaluation Area." *Geological Society of America, Abstracts with Programs*, 24(7):A-283.
- Finton, C. D., S. M. Buckley, M. A. Wilson, T. J. Palmer, and T. E. Guensburg. 1991. "Paleoecological and Evolutionary Context of One of the Earliest Diverse Hardground Communities: The Kanosh Shale Fauna (Ordovician, Late Arenig) of West-Central Utah, U.S.A." *Geological Society of America, Abstracts with Programs*, 23(3):13.
- Wilson, M. A., T. J. Palmer, T. E. Guensburg, and C. D. Finton. 1989. "Sea-Floor Cementation and the Development of Marine Hard Substrate Communities: New Evidence from Cambro-Ordovician Hardgrounds in Nevada and Utah." *Geological Society of America, Abstracts with Programs*, 21(6):A-253.

## **COMPUTER SKILLS**

- Proficient in the use of MS Office (Word, Excel, Powerpoint), Surfer, Grapher, Autocad LT, ArcView, MODFLOW, MODPATH, OILVOL, BIOF&T-3D, and various modeling pre- and post-processors. Proficient in the use of In-Situ, Inc. pressure transducers/dataloggers and many types of field monitoring devices.