

Jonathan D. Culpepper | Senior Geologist

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Professional Summary:

Mr. Jonathan Culpepper is a licensed Professional Geologist in multiple states, specializing in the field of subsidence investigations involving extensive travel throughout the United States. Mr. Culpepper has performed field data collection used for assessments of subsurface conditions such as geologic hazard and site suitability evaluations (buried organic materials, buried debris, expansive clay soils and sinkhole or solution feature activity). As a professional geologist, Mr. Culpepper has managed Subsidence, Cause & Origin, and Catastrophic Ground Cover Collapse investigations for some of the largest insurance carriers in Florida, Tennessee, and Pennsylvania.

Mr. Culpepper has given numerous depositions in defense of his professional opinions related to foundation differential settlement projects. As a professional geologist, Mr. Culpepper has rendered expert testimony before jury civil trials.

Areas of Expertise

- Visual Distress Evaluations
- Anomalous Soil Conditions
- Foundation Settlement
- Differential Settlement Remediation Techniques
- Sinkhole Development and Impact

Licenses and Certifications:

Professional Geologist (Additional states available upon application):

Florida, 2773

Pennsylvania, 5291

Kentucky, 292759

Tennessee, 5911

Mississippi, 1008

Texas, 15210

North Carolina, 2891

Washington, 26017716

Qualified Stormwater Management Inspector, Florida, Inspector #36565

Project Experience:

The sample projects here outline a small sampling of the types of projects and losses Mr. Culpepper regularly investigates. For further information or additional examples, please contact EFI Global.

Tampa Bay Water - Cypress Facility, Tampa, FL Remediation Project Oversight

Mr. Culpepper coordinated scheduling of the deep compaction grouting work between the client and subcontractor. He assigned a technician to oversee the predetermined scope of work and relayed work-site issues to the engineer of record. Mr. Culpepper presented project updates to the client and engineer of record throughout the project. The project was successfully completed within time and budget expectations.

The Salvation Army, Madison**Wisconsin Subsurface Watermain Break Evaluation**

Determined if a subsurface waterline break impacted the soil support beneath the interior concrete floor slab, which included a visual distress evaluation and Ground Penetration Radar (GPR) survey oversight. Suspect areas were concrete cored to allow for adequate measurements.

Commercial Office Property, Conshohocken, Pennsylvania**Damage Assessment and Sinkhole Loss Investigation**

Completed an interior/exterior distress evaluation and determined if a collapsed water cistern was related to sinkhole activities and if a sinkhole loss has occurred on the property. Mr. Culpepper directed and logged soil borings completed by a selected subcontractor.

Residential Property, Rochester, Minnesota**Sinkhole Investigation**

Investigated if damage exist at the subject property's driveway was related to a "sinkhole collapse", as defined by insurance policy language. Mr. Culpepper directed and logged soil borings completed by a selected subcontractor.

Residential Property, Spring Hill, Florida**Catastrophic Ground Cover Collapse and Cause & Origin Evaluation**

Determine the cause and origin of the reported interior flooring distress and if Catastrophic Ground Cover Collapse (CGCC) condition exists at the residence based on Florida statutes.

Center Point Business Park, Daytona Beach, Florida**Parking Lot Damage Assessment**

Investigated the extent of asphalt parking lot damage caused by a diesel fuel spill on behalf of the insurance carrier. Mr. Culpepper compared previous repair estimates and determined areas impacted by the loss and recommended appropriate remediation protocols.

Degroft Manufacturing Company, Inc., Horseshoe Bend, Arkansas**Sinkhole Collapse Assessment and Geotechnical Evaluation**

Determined if concrete foundation distress formed as a result of a sinkhole collapse and if distress to the manufacturing building was caused by sinkhole activity, which included a visual distress evaluation, Ground Penetration Radar (GPR) survey oversight and soil borings.

Expert Witness Testimony: Court Qualifications/Depositions/Testimony:

Mr. Culpepper has extensive experience testifying as an expert witness in depositions and trials and he has been accepted as an expert witness in a couple jurisdictions.

Professional Experience:

EFI Global, Senior Geologist, 2019-present
HSA Engineers & Scientists, Staff and Project Geologist (2010-2017)
(Acquired by GHD Services, Inc.)
Southern Earth Sciences, Inc., Staff Geologist, 2006-2010

Education:

Master of Science, Geology, Mississippi State University, Starkville, Mississippi, 2009
Bachelor of Science, Geosciences, Mississippi State University, Starkville, Mississippi, 2006

Specialized Education/Training:

Department of Transportation (DOT), CFR 171-178 Hazardous Material Transportation Course, 2017
Resource Conservation and Recovery Act (RCRA) Hazardous Waste Management Course, 2017
CPR and First Aid certified, 2015
40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) trained with current
8 Hour Refresher, 2006

Publications:

"Porosity Development in Pennsylvanian Core from Table Mesa and Rattlesnake Fields, Northwestern New Mexico." Master's Thesis, Mississippi State University
Department of Geosciences, May 2009. Culpepper, Jonathan D.

"Role of Organic Matter in Precipitation of Cement: Examples from Three Different Environments." AAPG Search and Discovery Article #90078, AAPG Annual Convention, 2008. Kirkland, Brenda L., Lynch, F. Leo, Folk, Robert L., Owen, Athena M., Mylroie, John E., Culpepper, Jonathan D., and Funderburk, William K.

"Nannobacteria, Big Foot, and The Loch Ness Monster: What Are You Supposed To Believe?" GSA Abstracts with Programs Vol. 37, No. 7. Geological Society of America, October 2005. Kirkland, Brenda L., Lynch, F. Leo, Culpepper, Jonathan D., Fratesi, Sarah E., Kuklinski, Richard F., Lawrence, Amanda, and Monroe, William A.

"Comparison of Porosity Development in Modern and Ancient Carbonate Rocks." GSA Southeastern Section Abstracts with Programs, 54th Annual Meeting. March 2005. Coffey, Melody R., Culpepper, Jonathan D., Gomez, Alfred D., Kelley, Kristen N., Kirkland, Brenda L., Lascu, Ioan, Taylor, Angela C., and Walker-McCullough, Lindsay N.