ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS

Carolinas Chapter

Field Course to Explore the Geology and Geomorphology of a Portion of the Southern Uwharrie National Forest in the Harrisville 7½-minute USGS Quadrangle of North Carolina Saturday, October 11, 2025 - 9:00 AM to ~5:00 PM

Field Course Leaders:
Tyler Clark, P.G., North Carolina DEQ, Division of Water Resources
Kurt Waibel

Event: AEG Carolinas Fall Field Course to explore the geology and geomorphology of the southern portion of the Uwharrie National Forest, Harrisville 7.5-minute Quadrangle, North Carolina

Details: This will be a carpool-style field trip visiting six to eight stops in southern Montgomery County and northern Richmond County in the southernmost portion of the Uwharrie National Forest. Most stops will be road cuts right alongside the road and a few others will require short hikes of less than 500' into the woods. Some roads will be well-maintained, gravel-covered forest service roads. NO 4-WHEEL DRIVE IS REQUIRED. We will have our lunch break at the Town Creek Indian Mound State Historic Site in Mt. Gilead, which has picnic tables and restrooms. **Bring your own lunch**.

Location: Meet/park at Candor Elementary School, 414 S. Main Street in Candor.

Cost: $25 for AEG members and their spouses/SO's and public-sector employees; $35 for non-members; free for student members of AEG

Registration: Register online at www.aegcarolinas.org/news. ***Reservation deadline: 5:00 PM, Wednesday, October 8, 2025***

Field Trip Waiver: Please sign/date and return field trip waiver to Andrew Beaty at andrewbeaty3@gmail.com by October 8 or bring it with you to the field trip.

Continuing Education Credits: 6 hours for North and South Carolina geology boards

Field Trip Description:

The field trip will visit several spots of geologic significance in the Harrisville 7½-minute quadrangle. This area includes some outstanding exposures from several different geologic terranes and time periods, including meta-argillites of the Proterozoic-aged Carolina terrane, sedimentary rocks of the Late-Triassic-age Wadesboro sub-basin, massive Early-Jurassic-age diabase dikes (some of the largest in the Southeast US), and unconsolidated Coastal Plain sediments previously recognized as Middendorf and Pinehurst Formations. Time-permitting, we may also visit some unique historic sites related to North Carolina's role in the American Revolutionary War.

Tyler's Bio:

Timothy "Tyler" Clark has worked in North Carolina as a geologist for 33 years. After completing his undergraduate work at N.C. State, he became a geologist with the North Carolina Geological Survey (NCGS), eventually becoming the Chief Geologist and Assistant State Geologist of North Carolina. During his tenure at the NCGS, Tyler completed a Master's degree at Duke University on the Durham sub-basin of the Deep River Triassic basin deposits of the eastern North Carolina Piedmont. Tyler volunteered his time as Secretary-Treasurer of the Carolina Geological Society for over 12 years, running the Society's 2011 field trip to examine Triassic rocks of the Sanford sub-basin of the Deep River Triassic basin. He also served as Chair of the AEG Carolinas Chapter in 2005-2006. After a 2-year relocation to Munich, Germany, Tyler returned to North Carolina as an earth science professor at Wake Tech Community College and Western Carolina University. In 2022, he joined the NC Department of Environmental Quality – Division of Water Resources as a Senior Hydrogeologist. In his spare time, Tyler hosts trivia shows at venues in the Raleigh area, and continues to conduct geologic research in NC Triassic basins.