

Field Geologist – Coastal Plain

Description of Duties for Field Geologist – Coastal Plain (Geologist/Hydrogeologist classification): The North Carolina Geological Survey is searching for a Field Geologist who will help implement stratigraphic and geomorphic investigations of the Coastal Plain that include geomorphic mapping from LiDAR and subsurface analysis from cores. Field investigations may include but are not limited to coring, outcrop description, hand auguring to develop geologic cross sections and 3D facies distribution models. The primary responsibility will be as a member of a 4-person field team that collects Geoprobe cores to support stratigraphic studies of the Coastal Plain, in particular, the sequence stratigraphy of the Plio-Pleistocene. This position will assist in supervising the drilling team and may lead the field investigation when the PI is not on site, provided that a Geologist License is in hand. Responsibilities include preparing for field, processing and interpreting LiDAR DEMs, logging and photographing core, and archiving of geologic materials in the Core Repository. This position may help develop GIS methods of mapping using LiDAR (ARCPRO, ARCGIS) and geodatabases, and draft posters, maps and cross sections (Adobe Illustrator).

The position is located in at the North Carolina Geological Survey's Coastal Plain Office and Core Repository in Raleigh, NC. Field work is ongoing throughout the year and is normally controlled by the weather. Travel for field work and meetings may require overnights. Field and laboratory work may include aerobic to strenuous physical labor in a humid subtropical environment. Flexible scheduling is required since field days usually include 10-12 hours of drilling/day, several days/week. Geologist must be prepared for a variable field work schedule that is planned on Mondays but is controlled by the weather throughout the week.

This full-time position is funded by STATEMAP, EARTH MRI and other grants. It is an 11-month position without retirement benefits, but does include access to reduced-cost (paid by grant) health insurance through the ACA. This 11-month position includes an unpaid furlough in the 12th month, with the employee returning to work after the furlough annually.

Minimum Training and Experience for Geologist I: This position is best for a geologist with a long-term commitment to field geology and mapping as a career goal. Graduation from a 4-year college or university with a major in geology (or equivalent if combined with a master's degree in geology). An additional two years of experience or a master's degree is recommended. A NC Geologist License is preferred or expected within 1-2 years after hiring. Experience in ARC is required. Pay will be commensurate with experience. (A completed master's degree in geology is equivalent to 2 years of experience).

Contact Information: Kathleen M. Farrell, PhD, North Carolina Geological Survey, MSC-1620, Raleigh, NC 27699 (email:Kathleen.Farrell@ncdenr.gov; 919-733-7353, x29; cell:804-854-9332).

Assistant Field Geologist – Coastal Plain

Description of Duties (Geologist/Hydrogeologist classification; Work Title: Geological Technician): This is an entry-level, temporary, 11-month position to assist the North Carolina Geological Survey in implementing USGS funded federal grants that support Coastal Plain mapping (STATEMAP and EARTH-MRI) and archiving. Primary responsibility will be as a member of 4-person field team that collects Geoprobe cores to support stratigraphic studies of the Coastal Plain. Field work and mapping activities include: 1) 2-4 days/week in the field with rig and drilling team; 2) loading/unloading field vehicle in preparation for field work; 3) updating/compiling spreadsheets with field data; 4) archiving and repository work; 5) laboratory work; 6) other duties as assigned. Typical field days are 10-12 hours in duration with a 7 am departure time. Field work is ongoing throughout the year; a field plan is developed on Mondays for the week and is controlled by the weather; candidates for the position need to be flexible to accommodate this. Travel for field work and meetings may require overnights. Field and laboratory work may include aerobic to strenuous physical labor outdoors in a humid subtropical environment. Exceptional candidates with advanced skill sets may be assigned more advanced tasks, such as working with landform analysis and logging core.

The workstation will be the North Carolina Geological Survey's Coastal Plain Office and Core Repository in Raleigh, NC. Funding is currently available for two years of full time work, with strong possibility of extensions. This is an 11 month position, that requires a month-long unpaid furlough annually, with a return to full-time work after the furlough. The position does not include retirement benefits but does include access to reduced cost health insurance (partially funded by grants) through the Affordable Care Act (ACA). Job candidates must be prepared for adverse and strenuous working conditions typical of geologic field work, and physically capable of strenuous activities that don't slow down field operations. Time and a half is paid for hours over 40 hours/week.

Minimum Training and Experience for Geological Technician: Graduation from a 4-year college or university with a major in geology. Experience in ARCGIS/ARCPRO, Adobe Illustrator and a Geologist License is preferred. Salary is commensurate with experience level in geology.

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