

Researcher 5 Hydrologist (job code 9742R5)

Job Opening ID 318478

Position Number 223852

Location: Coweeta Hydrologic Laboratory, Otto, North Carolina

Duration: Up to 3 years, annual term renewable based on performance

Start Date: The position is open until filled, with a target start by the end of August 2017.

Duties: The incumbent will participate in a team-oriented hydrological modeling project focused on quantifying the role USDA National Forest System lands play in providing surface drinking water to communities and populations across the conterminous United States (CONUS), and how National Forest System, State, and County Forest lands in Minnesota contribute to water supplies. Duties include, but are not limited to: 1) Operating, evaluating, and modifying large-scale hydrologic models; 2) Performing geospatial analysis in a Geographic Information System (GIS) on a variety of vector and raster data; 3) Constructing databases of water use information; and 4) Developing project products including maps, reports, scientific journal articles, and presentations to stakeholders and the scientific community. The incumbent will be responsible for supervising and working with a GIS technician on the project.

Qualifications: This position requires an advanced degree (MS minimum, PhD preferred) in hydrology, forest watershed science, physical geography, or a closely related field. In addition, experience with software for geospatial analysis (e.g., ArcGIS) and programming (e.g., Python, Matlab, R, FORTRAN) are required. Desired experience includes hydrological data synthesis, watershed hydrologic modeling (e.g., HSPF, PRMS, TopModel, MIKE SHE), and communicating science through peer-reviewed publications and public speaking. Experience supervising students or technicians is desired but not required.

Application: Applications must be submitted online (<https://humanresources.umn.edu/jobs>).

To be considered for this position, please click the Apply button and follow the instructions. You will have the opportunity to complete an online application for the position and attach a cover letter and resume. If you have specific questions about the position, please contact Paul Bolstad, pbolstad@umn.edu, 612/624-9711 or Peter Caldwell, pcaldwell02@fs.fed.us, 828/524-2128 x124. If you have questions about the application process, please contact Janelle Schnadt, jschnadt@umn.edu, 612-624-2799. Additional documents may be attached after application by accessing your "My Activities" page and uploading documents there. To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).

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Background Check Information: Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.