

Graduate Research Assistant (PhD)

Hunnicutt Creek Project

**Department of
AGRICULTURAL
SCIENCES**

College of
AGRICULTURE,
FORESTRY & LIFE
SCIENCES

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We are seeking a motivated PhD student to join our “Intelligent River” (www.intelligentriver.org) team. Overarching research goal is to develop a site-specific model to include topography, land use, hydrology, and real-time instream and weather sensing to forecast streamflow and water quality in a micro watershed within the footprint of Clemson University main campus. The model will integrate real-time data and visualization capabilities to understand emerging water resources challenges.

The PhD student will be engaged in cutting edge research that includes extensive field work, spatial data analysis, and modeling. Installation, periodic maintenance, and monitoring of instream and weather sensors will be an integral part of this research project. Hands on research experience in instrumentation and monitoring is a must. We will use a combination of ArcGIS, Python, and/or R to analyze, model, and simulate data. Skills in ArcGIS and Python and/or R programming will be a significant plus.

Preferred candidates should have a strong desire to pursue a career in interdisciplinary scientific research, a demonstrated record of motivation, and work ethic. The ideal candidate will have a MS degree in agricultural or environmental or water sciences or engineering, and excellent verbal and written communication skills.

Interested students should submit a 1) resume with names and contact information of at least two references and 2) summary of research interests and skills relevant to this position.

Contact:

Either Dr. Sawyer *or* Dr. Karthikeyan:

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