The Center for Environmental Research and Education (CERE) seeks a graduate student for a funded MS graduate research assistant (GRA) position under the Water Q2: Understanding Water Quality and Quantity in the Limpopo Basin project, funded by the U.S. Agency for International Development, Southern Africa Regional Mission.

Many regions face enormous challenges facing the accessibility, safety, and sustainability of freshwater resources, including both surface and groundwater resources. The Limpopo Basin covers a large geographic expanse across Botswana, South Africa, Zimbabwe, and Mozambique. A substantial proportion of people living in the Basin lack access to improved water sources and the Basin contains some of the most biodiverse ecosystems on the planet, including Kruger National Park in South Africa. This position will involve research on the hydrology in a semi-arid region across the Limpopo River Basin. The primary work at Duquesne is on satellite methods to measure river flow and models for groundwater/surface water interactions. The GRA will work closely with collaborators from the University of Venda and Rensselaer Polytechnic Institute.

Applicants must apply to the Duquesne University Environmental Science and Management program at www.duq.edu/cere. Interested students should contact the principle investigator, David Kahler, at kahlerd@duq.edu. The successful candidate must have an undergraduate degree in environmental engineering or closely related degree by the start of the program in August 2020.

The MS program is a two-year program that culminates with a thesis; funding is for one-year renewable for the second-year contingent on satisfactory performance and available funding. The selected students will be required to travel to sites in the Limpopo River Basin approximately twice a year for data collection, meetings, and other tasks. The student will be supervised by David Kahler.