



Stormwater Infiltration Rate Calculation Internship The U. S. National Park Service, National Capital Region

The U. S. National Park Service (NPS) National Capital Region (NCR), Office of Natural Resources and Science (NRS) is seeking an upper level student with a background in Soils, Hydrology, or related fields. The intern will evaluate infiltration rates at several locations within Wolf Trap National Park for the Performing Arts. The highly urbanized and rapidly growing region around NCR parks makes them increasingly important as a critical refugia for biodiversity as species expand their ranges from the south in response to climate change. We anticipate that the internship will begin in September of 2018 and continue through May of 2019.

The intern will work closely with the NPS Urban Ecology Research Learning Alliance's Science Education Coordinator. The intern will have the opportunity to present findings to NPS staff in the National Capital Region. This position will begin mid-September and continue until May 2019 depending on the student's interest and available funding. Hours are part-time, not to exceed 20 hours/week, during the semesters. Duty station is flexible but visits to the Natural Resources and Science Office in Washington, DC will periodically be necessary. Additionally, the intern should have access to a computer and hydrology field equipment. Mentors will include NPS staff in the UERLA and the Office of Natural Resources and Sciences. The intern will be calculating infiltration rates and model rate changes with variation in surface cover and in precipitation rates using standard infiltration equations. Students must be enrolled in the fall of 2018 in a degree program.

UERLA is a National Park Service Research Learning Center that serves 16 parks in National Capital Region. We translate complex research results into readily understandable information, providing research, education, and technical assistance for parks. UERLA also provides science communication outreach to park managers and external audiences via websites, workshops, and publications. UERLA maintains research and education partnerships with universities, not-for-profit, education, and other federal agencies. The education activities of UERLA include providing training opportunities for NPS staff and partners, participating in science education programs, and building external partnerships that support science education in parks. Within the Natural Resources and Science Office, other science programs, such as botany, wildlife, geology, air resources, and inventory and monitoring, aquatic ecology work with the Urban Ecology Research Learning Alliance on interdisciplinary projects.

Students must be enrolled in a degree program in fall of 2018. The position will be a University of Maryland paid internship.

If interested, provide a current resume, transcripts, and letter of interest electronically to Ann_Gallagher@nps.gov, Science Education Coordinator, Urban Ecology Research Learning Alliance, National Capital Region, National Park Service, 4598 MacArthur Blvd., NW, Washington, DC 20007, Cell: (240) 461-6171.

The deadline for applying is **9-7-2018 at 5 pm ET**. We expect to interview candidates the week of **9-10-2018**.