

# Paid Internships

Summer 2018

## Quittapahilla Watershed Association



The Quittapahilla Watershed Association is offering two paid internships for summer 2018. We seek two college students, who will be trained to work as a team, to undertake field work collecting environmental data in the Quittapahilla Creek watershed in Lebanon County, PA. Interns will conduct geomorphic assessments on streambanks and streambeds.

**More Specifically.** Two interns will receive classroom and field training on conducting geomorphic assessments. The assessments will include: 1) survey of stream channel cross-sections, longitudinal profiles, and particle size distribution of the streambed material; 2) stability assessments to identify, quantify, and document stream bank erosion; 3) photo documentation and mapping of stream conditions observed; 4) data entry and plotting of all information collected during the surveys and assessments. Data collected will include: 1) channel morphologic characteristics (e.g. width, depth, cross-section area, overall slope, D50 and Dmax of the stream bed material); and 2) stability characteristics (e.g., bank height, bank full height, bank angle, bank length, root depth, root density, surface protection, bank material and near bank stress) that will be used to determine bank erosion potential, bank erosion rates and sediment loading. Instruction will be provided on how to survey, collect and record the field data. **Each internship pays \$10 per hour, up to 75 hours (\$750 per intern), with a good possibility of additional funding and hours.** Student applicants from Lebanon Valley College will be given priority. LVC students will also be eligible for Immersive Experience credit.

**Requirements.** Suitable candidates will need to work in an outdoor setting, walk in fields and woods, wade in streams, and negotiate stream banks, fallen logs, and the muck and mire of stream sediments. Familiarity with computerized data entry and PowerPoint will be a plus. Interns will be required to have a valid driver's license and to provide their own transportation to and from the field work sites. Work must be undertaken between June 1 and August 15. Specific work hours, start and end dates, and daily schedules are flexible.

**How to apply.** Send your resume with a cover letter expressing your interest, with names of at least two references to: **Dr. J. Kent Crawford, 1115 Stonegate Road, Hummelstown, PA, 17036.** Applications must be received by April 1, 2018. Applicants will be notified of the QWA's decision by April 15.

**More information.** Contact Dr. Kent Crawford at [k9kentc@gmail.com](mailto:k9kentc@gmail.com) or 717.566.5851, or LVC History professor and QWA President Michael Schroeder, at [schroede@lvc.edu](mailto:schroede@lvc.edu).