



Stony Brook-Millstone Delaware River Watershed Fellowship Job Description

Application Deadline: March 24, 2017

Overview:

The Stony Brook-Millstone Watershed Association (SBMWA) is working with other local environmental centers in an effort to build a network focused on constituency building and stewardship of the Delaware River Watershed. This network of 23 environmental centers, spread across the Delaware River watershed, is interconnected by The Circuit, the regional trail network of multi-use bike/pedestrian trails and waterways (rivers, streams, creeks.) The Centers network seeks to hire 23 young people (one at each center,) for a 12 week summer fellowship designed to advance our collective impact across the watershed. This program will foster watershed stewardship by establishing a team of ambassadors and building capacity for a network of centers.

Keeping water clean, safe and healthy is at the heart of the Stony Brook-Millstone Watershed Center's mission. We work to protect and restore our water and natural environment in central New Jersey through conservation, advocacy, science, and education. Our staff includes policy advocates, scientists, land and water stewards, naturalists and educators. We speak out for your water and environment, protect and restore sensitive habitats, test our waterways for pollution and inspire others to care for the natural world. We focus our work in the Stony Brook, Millstone and the lower Central Delaware River Watersheds.

Position Summary: The Fellow will assist the Watershed Center's Science & Stewardship staff in launching a set of comprehensive water quality monitoring studies in the Central Delaware Watershed and use the skills, knowledge, and findings from the project to educate the Center's constituency about water quality issues, and to create technical reports on the purpose and initial findings of the studies.

The Fellow will help our scientists conduct site assessments; monitor macroorganisms, physical and chemical parameters with respect to natural and anthropogenic events; deploy and utilize monitoring equipment in the field; analyze, summarize and report results. He/She will also participate in the Watershed Center's volunteer and K-12 educational outreach efforts to educate the community about pollution and watershed health. Additionally, the Fellow will create an exhibit/poster about the project for display in the Watershed Center and/or use at community events, conferences, and/or informal interactions with users of area trails.

Position Location: 31 Titus Mill Rd, Pennington, NJ 08534. The fellow will spend time both at the Watershed center in Pennington, as well as in the field along Jacob's Creek in Hopewell Twp, NJ.

Fellowship-Specific Duties:

- Engage target communities in the SBMWA and Delaware watershed through stewardship, education, recreation and civic engagement.
- Participate in a 3 day Watershed Stewardship Training at Pocono Environmental Education Center (overnight, June 14-16.) <http://www.peec.org/>
- Complete a required Capstone project to be presented at the end of season Watershed Fellowship Summit, August 18. This individual project should help enhance network goals, deepen the connection and engagement of trail and water users and expand watershed protection and restoration.
- Fellows will be expected to participate in regular online interaction with the other Watershed Fellows through an online discussion platform.
- Fellows will be required to visit at least two other Environmental Centers in the network in order to gain a more complete understanding of the Delaware River watershed.

Center/Project-Specific Duties:

- Learn the structure and function of a watershed.
- Become knowledgeable about the LEED platinum certified SBMW Center for engaging the community.

- Help assess field sites for sampling land-use and habitat quality.
- Learn and employ accepted water quality monitoring protocols for parameters such as macroinvertebrates, bacteria, and water chemistry.
- Learn to analyze collected data with respect to watershed health and to communicate results.
- Use all acquired skills/knowledge to support the Watershed Center's various outreach programs and events (education department programs, Watershed Academy, tabling fairs & festivals, etc.) to educate the community about stewardship and watershed health.
- Help support other science department related projects and Watershed activities as needed.
- Attend departmental and other Center staff meetings.
- Occasional evening & weekend hours are necessary.
- Please visit <http://thewatershed.org/> to learn more about the Center's programs, projects and events that the Fellow will be associated with.

Qualifications and Experience:

- Age 18-24 by June 5 start date.
- Excellent oral and written communication skills; superior interpersonal skills with a demonstrated commitment to cultural diversity also necessary.
- Must be people oriented, have a team-focused attitude, and the ability to professionally represent SBMWA and the network to the public.
- A positive attitude and good sense of humor, as well as comfort working independently as a leader and part of a team, when needed.
- Ability to work in a dynamic fast-paced environment and juggle multiple, changing priorities; strong time and project management skills needed. Must be self-motivated and willing to work in a flexible, non-structured environment.
- A good grasp of biology, chemistry, or ecology a plus.

****SBMWA is dedicated to building a culturally diverse organization and strongly encourages applications from minorities and women.**

Essential dates

- June 11: Fellow's start date at SBMWA.
- June 14 - 16: Required Watershed Stewardship Training (overnight) at Pocono Environmental Education Center. (Food and accommodations provided.)
- August 18: Watershed Fellowship Summit at John Heinz NWR, Philadelphia.
- August 25: Approximate Last day of Fellowship

Compensation: This position pays \$12/hr. Fellows will serve 35-40 hrs/week for 12 weeks.

How to apply:

Please send a cover letter and resume to:
 Steven Tuorto, PhD.
 Director of Science & Stewardship
 Stony Brook-Millstone Watershed Association
stuorto@thewatershed.org

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