



MARINE WATER QUALITY INTERNSHIP

Summer 2018 Job Description

Sandy Hook, NJ

The Marine Water Quality Intern primarily works on COA's Rally for the Waterways Program. This unique collaboration focuses on tracking down sources of bacterial pollution and facilitating solutions to reduce nonpoint source runoff in the watershed. This initiative includes a volunteer-based citizen science bacteria source track down program, outreach, education, and community engagement to fix the nonpoint source runoff contamination in the Navesink, Shrewsbury and Deal Lake watersheds. The Marine Water Quality Intern will work on coordinating and implementing various aspects of these innovative programs, which includes working with state officials at the New Jersey Department of Environmental Protection (NJDEP).

Activities include but not limited to:

- coordinating/organizing citizen-science water quality sampling and monitoring program logistics
- investigating stormwater management practices
- policy research regarding public health signage needs in/near stormwater outfalls in the Two Rivers watershed
- conduct research on the efficacy of specific testing protocols and trends in data
- perform outreach and social media communications, connect with news media

The Intern will work closely with the Staff Scientist and Coastal Watershed Protection Coordinator (with periodic oversight from the Executive Director and COO).

Specific logistics and tasks include:

- ◆ Preparing sampling kits and transporting field samples to NJDEP lab every week
- ◆ In the field communicating with the volunteers, and communicating with DEP and COA about the sampling schedule
- ◆ Ensuring that all paperwork related to sampling and data are accurate and updated on the COA shared drive
- ◆ Assisting with the monthly meetings for the Rally for the Navesink
- ◆ Delivering weekly samples to Leeds Point, NJ, within designated time, and according to protocol and collecting sampling containers for the next week's sampling
- ◆ The WQ Intern will help facilitate and advance implementation green infrastructure initiatives with community groups that are proposed by Rutgers Cooperative Extension Service, Water Resources. Evaluation criteria will be developed.

By the end of the internship, the Marine Water Quality Intern will have:

- ◆ Conducted and coordinated an on-going Citizen Science program
- ◆ Advanced green infrastructure and sustainability projects with community groups
- ◆ Helped to reduce sources of marine pollution
- ◆ Managed volunteers
- ◆ Developed skills in community outreach and organization, project coordination, data management and analysis

- ◆ Assisted in summarizing results from the year-long 2017-2018 ambient bacteria monitoring program in the Navesink watershed, which will be used to prepare a report that will be shared with the public under the Rally for the Navesink program.
- ◆ Summarized the results from the weekly NJDEP summer testing program, investigated trends in data and examine factors that may influence the data.

General Program Coordination

- Maintain focus and message on pollution prevention
- Stay conversant and current on COA priorities and programs
- Manage relevant email account
- Update relevant COA materials, fact sheets, and write monthly newsletter articles

Requirements and qualifications: The successful candidate needs to have an understanding of marine water quality issues, good laboratory and sampling practices, and must have experience working with people who are young and old. A car in good working condition and you must be able to drive long distances (200+ miles weekly) with reimbursement at COA rate for non-commuting miles and tolls. Applicant must also have the ability to pack, lift and deliver heavy bins. Experience with GIS, social media, and google docs are a plus.

The summer internship is a full-time position and is located at COA's office within the Gateway National Recreation Area—Sandy Hook, NJ. No housing or transportation is provided. Office hours are 9am to 5pm, Monday – Friday. Water quality testing day is Wednesday and requires a 7:30am start in Red Bank. Business casual attire is expected and can vary depending on activities. Monthly stipend and travel expenses (excluding commuting) are paid. College credit (arranged by the student with the university/college) is available. Start date is as early in May as possible and end date is as late in August as possible.

Interested applicants should demonstrate enthusiasm and basic knowledge of environmental issues, organizational and communication skills, creativity, and willingness to work hard. Applications will be accepted until position is filled. **To apply, send a cover letter, resume, writing sample, and a list of 3 references with affiliations and contact information to: business@cleanoceanaction.org with "Marine Water Quality Internship" as the subject line.**

About COA

Clean Ocean Action is a non-profit 501(c)3 organization dedicated to protecting marine water quality in the New York Bight (those waters between Montauk Point, NY, and Cape May, NJ, and to the continental shelf). COA is a broad-based coalition of over 115 active boating, business, community, conservation, diving, environmental, fishing, religious, service, student, surfing, and women's groups. COA identifies sources of pollution and takes actions to stop them using research, education, and citizen action. For more information about COA visit www.cleanoceanaction.org.