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## Citizen Science Water Quality Monitoring Workshop

September 18, 2013, 8:30 AM – 2:30 PM

Pier 40, Hudson River Park, Manhattan

Subway: #1 to Houston Street

PATH: Christopher St station

### GOALS OF WORKSHOP

- Educate individuals and community groups concerned about water quality in their local waterbodies, especially as it relates to recreation (fishing, boating and swimming).
- Provide guidance, resources, contacts and inspiration for individuals and groups wishing to develop citizen water monitoring programs.
- Offer a practical demonstration of how to measure pathogen indicators in water samples.
- Create a web and video record of presentations, discussion and demonstrations for future use and consultation (to be posted on the resources webpage: [www.harborestuary.org/citizenscience](http://www.harborestuary.org/citizenscience)).

### WORKSHOP AGENDA

**8:30-9 AM: Registration, breakfast, networking, resource sharing.**

**9 AM: Welcome and Opening remarks:** *Carrie Roble, Hudson River Park Trust.*

**9:20 AM – 12:50: Panels.** Each panel will be followed by a Q&A session.

**9:20 – 10:30 AM: What makes the water dirty, why it matters, and what we can do about it.**

- Basics of rainfall/stormwater, combined sewer overflows (CSOs) and water pollution. *Kate Zidar, SWIM Coalition.*
- What is being done to address water pollution. *Franco Montalto, Drexel University.*
- Water conservation to reduce CSO pollution. *Suzanne Stempel Housley, Brooklyn College.*

**10:30 – 11:40 AM: How the government tracks water quality and notifies the public.**

- Agency-led water quality monitoring programs, modeling, and public notification.
  - *Bill Heddendorf, NJDEP.*
  - *Srinivasan Rangarajan, NYCDEP.*
- New recreational water quality criteria. *Wayne Jackson, USEPA.*

**11:40 AM– 12:50 PM: Implementing a citizens water monitoring program. What do citizen science efforts bring to the table? Why are they needed? How to go about it?**

- Citizen Science case studies (including study design, data quality considerations, evaluation, etc).
  - Hudson River Water Quality Program. *Tracy Brown, Riverkeeper.*
  - Arthur Kill Bioassessment. *Glenn Lautenbach and Alejandrina Canelo, Future City, Inc.*
- Citizen science perspective on completing a quality assurance project plan (QAPP). *Nancy Lawler, Musconetcong Watershed Association.*

**12:50 – 1:50 PM: Lunch Roundtable**

- Sewage Right to Know law. *Victoria Schmitt, NYSDEC.*

**1:50 – 2:30 PM: Live Demonstration**

- Water sampling, laboratory preparation and analysis: Live demonstration on the floating dock and in the laboratory at Pier 40 led by *Nina Zain, The River Project.*