

**PLEASE FORWARD THIS ANNOUNCEMENT TO OTHERS WHO MIGHT BE INTERESTED
IN THE TOPIC (ESPECIALLY EDUCATORS AND STUDENTS)**

Title: Environmental Measurement Data & How They Speak

Date/Time: Wednesday, April 7 4:00–5:30 p.m.

Sign-in time begins: 3:45 p.m.

Introductions: 4:00 p.m.

Talk: 4:05 p.m. to 5:00 p.m.

Questions/Discussion: 5:00 p.m. to 5:30 p.m.

Speaker: Michael J. Messner, US Environmental Protection Agency (Retired)

Chair: Barry D. Nussbaum, US Environmental Protection Agency (Retired) & Adjunct Professor,
University of Maryland Baltimore County

Sponsor: WSS (Washington Statistical Society) Statistics Education Committee

RSVP: To be placed on the webinar attendance list, please email Carol Joyce Blumberg at cblumberg@gmail.com by Sunday, April 4. The URL for connecting to the webinar will be sent to you around April 5. It is essential that we have a separate name and email for each attendee.

Abstract: Environmental data come in many "flavors". They can be continuous or discrete, precise or imprecise, unbiased or highly-biased. In many cases, actual measurement results may be hidden because they fall below minimum reporting limits (MRLs) or method detection limits (MDLs). In this talk, I illustrate how data of different flavors can inform us as they "speak" through their likelihoods (probabilities of occurring). I'll show that data speak most clearly when they're precise, unbiased and not hidden (not censored) from view. Only a knowledge of introductory statistics will be assumed for most of the talk.

POC (Point of Contact) email: Carol Joyce Blumberg, cblumberg@gmail.com