

## 2011 Storms, High Flows and Effects

April 19, 2012

USGS Baltimore

10AM-4:00PM

Conference Line Dial **1-866-299-3188**, enter code **4102675731**

Adobe Connect <https://epa.connectsolutions.com/star2/> enter as guest

The objectives of the CBP STAR topical meeting are to:

- Update the Bay community on the available water quality and living resource monitoring data from summer 2011 through spring 2012 to support ongoing ecosystem analyses.
- Exchange and summarize our scientific findings related to the 2011 summer storm effects on our ecosystem.
- Support preparation for communicating 2012 Bay and Basin health condition assessments.
- Prepare the foundations of a Fall 2012 Storm Effects Synthesis Workshop .

9:30AM pre-meeting meet and greet.

10:00AM Welcome, announcements. (STAR Chair, Co-Chair: Bill Dennison, Mark Bennett)

10:10AM Overview of the meeting objectives (P. Tango, USGS@CBPO)

10:20AM Upper Susquehanna Report: Sediment loads in the Susquehanna down to Marietta (K. McGonigal SRBC)

10:40AM Susquehanna River: Loads and subsequent changes in the reservoirs (M. Langland USGS)

11:00AM Flux of water, nutrients, and sediment from the Susquehanna River to the Bay. What we can learn from the Tropical Storm Lee event (R. Hirsch, USGS)

11:30AM Total Suspended Matter in the Bay associated with Tropical Storm Lee (M. Ford, NOAA)

11:50AM Sediment grain size distribution for Conowingo Dam: 2011 insights (J. Blomquist, USGS)

12:10 PM - 12:45 PM Lunch Break.

12:10-12:30 PM Have or get your lunch at one of the local eateries

12:30-12:45 PM Continue eating, gathering and conduct an open discussion review of the morning session; collect the first notes on autumn workshop plans.

12:45 PM MD Storm Story

- 12:45 Where did all that sediment go? (J. Halka, MGS and C. Palinkas, UMCES)
- 1:05 Living resource effects in the Bay: Upper Bay Oysters (M. Naylor MD DNR)
- 1:25 Living resources effects in the Bay: Upper Bay SAV (L. Karrh, MD DNR)
- 1:45 Water quality following Tropical Storm Lee (M. Trice MD DNR)

2:05PM VA Storm Story

- 2:05 PM Living resources effects in the lower Bay: SAV (K. Moore, VIMS)
- 2:25 PM Water Quality following Tropical Storm Lee (D. Jasinski, CEC)

2:45PM Additional insights

- 2:50 Bacteria tracking in South River (D. Muller, SRF)
- 3:05 Storm impacts on Bay-wide invertebrate communities (R. Llanso, Versar, Inc.)

3:20PM Wrap up discussions and planning for autumn synthesis workshop (P. Tango and Company).

The autumn workshop would like to promote work towards and presentation of integrated stories from the findings presented this spring, consider the roll of 2011 in 2012 conditions, and illustrate updated scientific understanding gained through our observations and analysis of these teachable moments from the 2011/12 conditions. Please bring your suggestions for topics you would like to see addressed in the fall meeting. Suggested session topics may include but not be limited to:

- Compare and Contrast Tropical Storm Lee effects to historically significant Bay region storms
- Lag time effects of 2011 on 2012 summer conditions - what signals persist, impact on DO forecasts and actual DO dynamics?
- Separating signals: wet 2011 spring, summer storms, record warmth of winter and whatever comes next!
- Health perspectives on the effects of tropical storm Lee.
- BMP survivorship from Storm impacts.
- Monitoring challenges – how should we and how did we get the best data during major storm conditions?
- Bacteria to fish: Living resource studies of 2011 Storm impacts.
- Emergency Coordination and Communications: Response Planning – Discussion and recommendations for editing the existing plan.

4:00 PM Thank you and Adjourn.