



Program

United States Geological Survey
Water Science Symposium

Hosted by the
Department of Geology
Hofstra University

Wednesday, May 2, 2012
9:00 AM to 3:30 PM



U. S. GEOLOGICAL SURVEY
NEW YORK WATER SCIENCE CENTER

Leo A. Guthart Cultural Center Theater
(Located in the Hofstra University Axinn Library Building)

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| 8:45-9:15 | Assemble and coffee |
| 9:15-9:30 | Greetings and opening remarks |
| 9:30-9:50 | <i>Rocks and Dirt - The Bedrock, Subglacial and Glacial Underpinning of New York City and Long Island:</i> Charles Merguerian, Department of Geology, Hofstra University |
| 9:50-10:10 | <i>Tracking the storm tide from Hurricane Irene as it moved up the coast and made landfall in New York:</i> Ron Busciolano, USGS New York Water Science Center |
| 10:10-10:30 | <i>Identifying and dating hurricane overwash deposits in marsh sediments on the south shore of Long Island, preliminary results:</i> Christa Farmer, Courtney Melrose, and Bret Bennington, Department of Geology, Hofstra University |
| 10:30-10:50 | Break to view posters in the Middle Plaza Room, Hofstra University Student Center |
| 10:50-11:10 | <i>Assessing groundwater availability in the Northern Atlantic Coastal Plain aquifer system:</i> John Masterson, USGS Massachusetts / Rhode Island Water Science Center |
| 11:10-11:30 | <i>Real-Time Monitoring of Road-Salt Runoff in a Recharge Basin on Long Island, New York:</i> Billy Capurso, USGS New York Water Science Center |
| 11:30-11:50 | <i>Application of Advanced Geophysical Methods to New York City Water Tunnel Investigations:</i> Frederick Stumm and Anthony Chu, USGS New York Water Science Center |
| 11:50-1:00 | <i>Lunch (on own - dining is available in the Student Center)</i> |
| 1:00-1:20 | <i>USGS Emerging Contaminants Research Project—Highlights from New York:</i> Pat Phillips, USGS New York Water Science Center |
| 1:20-1:40 | <i>The Marcellus Shale Gas Play:</i> John Williams, USGS New York Water Science Center |
| 1:40-2:10 | <i>Recent findings about the Lloyd Aquifer that may affect future water supplies:</i> Fred Stumm and Anthony Chu, USGS New York Water Science Center |
| 2:10-2:30 | Break to view posters in the Middle Plaza Room, Hofstra University Student Center |
| 2:30-2:50 | <i>Groundwater flooding on Long Island, with examples from southeastern Queens and central Suffolk Counties:</i> Paul Misut, USGS New York Water Science Center |
| 2:50-3:10 | <i>Continuous Water Quality Monitoring to Assess Estuary Ecological Conditions and Inform Total Maximum Daily:</i> Chris Schubert, USGS New York Water Science Center |
| 3:10-3:30 | <i>Panel Discussion</i> |
| 3:30 | Adjourn |