

# 2016 Hampton Roads Water Symposium

September 20, 2016

HRPDC Boardroom  
723 Woodlake Drive, Chesapeake, VA

8:00 – 8:30 AM – **Registration** – Lobby – HRPDC Boardroom, Chesapeake, VA

8:30 – 8:45 AM – **Welcome** – Kurt McCoy, Hydrologist, USGS and  
Whitney Katchmark, HRPDC

## Keynote Speaker

**8:45 – 9:15 AM – Dan Holloway, CH2M and Jamie Mitchell, HRSD** - HRSD Sustainable Water Initiative: Improving Water Quality, Groundwater Availability, and Risk to Sea-Level Rise with Potomac Aquifer Injection

## Morning Plenary Session

**9:15 – 10:35 AM – Morning Plenary Session - Stormwater/Water Quality**  
(Moderator – John Jastram, USGS VA)

- **9:15 - 9:35 AM - Gary Shenk, USGS VA** - Development of the Chesapeake Bay Program's Watershed Model for 2017
- **9:35 - 9:55 AM - Aaron Porter, USGS VA** - The Hampton Roads Regional Water Quality Monitoring Program
- **9:55 – 10:15 AM - Raul Gonzalez, HRSD** - Diel Variation of Fecal Indicators and Pathogens in Wastewater
- **10:15 – 10:35 AM - Greg Johnson, Virginia Beach Public Works** - The Trident Approach to Stormwater Management

10:35 – 10:55 AM – **Morning break**

**10:55 – 12:15 PM - Morning Plenary Session II - TMDL/BMP Strategies**  
(Moderator -Kurt McCoy, USGS)

- **10:55 - 11:15 AM - Brandon Fleming, USGS MD** - High Frequency Groundwater-Quality Monitoring and Insights into Efficacy of BMPS in Surficial Aquifers of Delaware
- **11:15 - 11:35 AM - Kimberly Peterson, HRSD** - Shallow Water Levels and Impacts to Sewer Infrastructure
- **11:35 – 11:55 AM - Celeste Journey, USGS SC**- Highway Runoff and Structural BMPs in Coastal SC
- **11:55 – 12:15 PM - Mike Fenster, Randolph Macon College** - Coastal Resiliency - Media Forms and Science to Inform the Public About Changes in Coastal Environments

12:15 – 1:00 PM – **Lunch – Provided by Hampton Roads Planning District Commission**

## Afternoon Plenary Session

### **1:00 – 2:40 PM - Afternoon Plenary Session - Flooding and Sea Level Rise**

(Moderator - David Sample, Virginia Tech)

- **1:00 – 1:20 PM - Kurt McCoy, USGS VA** - The Benefits of 20+ years of Monitoring Shallow Groundwater in Virginia Beach
- **1:20 – 1:40 PM - Russ Lotspeich, USGS VA** - Tide Monitoring Programs in Virginia's Coastal Plain
- **1:40 – 2:00 PM - Eric Seymour, NOAA NWS** - Tide Forecasts, Precipitation Return Intervals, and Inundation Forecast
- **2:00 – 2:20 PM - Derek Loftis, VIMS** - Lessons Learned Forecast Modeling 2011 Hurricane Irene, and the Path to Predicting Street-Level Inundation
- **2:20 – 2:40 PM - Tom Allen, ODU** - Water Infrastructure and Public Health Vulnerabilities to Recurrent Flooding Hazards: A View to the South in Charleston (SC) and Morehead City (NC)

**3:00 PM – Closing Remarks and Adjourn – Mark Bennett, USGS VA**

*This symposium was a courtesy of:*

