

STORET/WQX Conference Call – April 25th, 2013 12:00- 1:00 P.M. Eastern Time

Introduction (Charles Kovatch)

- The minutes from all previous conference calls are available over the web:
<http://www.epa.gov/storet/confcalls.html>
- The next scheduled call will be May 2013. The exact date will be emailed via the list server when the call gets closer.
- Please email STORET@epa.gov and let EPA know you attended the call so that meeting rosters may be kept.
- If you have a special topic you would like to lead for an upcoming call, please email Kovatch.Charles@epamail.epa.gov.
- EPA would like to hear comments you have on the quality of these conference calls. Please send them to STORET@epa.gov
- Please subscribe to the STORET automated server for announcements regarding conference calls: <http://www.epa.gov/storet/listserv.html>

Presentation: Increasing Water Monitoring Data Sharing and Utility (Charles Kovatch)

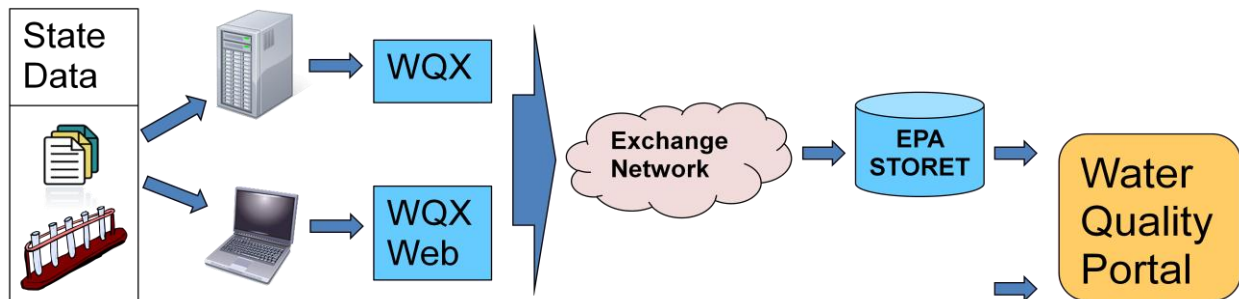
Presentation overview

- Provide an Overview of water monitoring data tools:
 - Water Quality Exchange
 - STORET Data Warehouse
 - Water Quality Portal
- Introduce the STORET dashboard
- Discuss ways to increase state water monitoring data

Benefits of Water Data Sharing

- Reduces effort to use other data sources
 - Collecting data from multiple sources
 - Combining into common format
 - Deliver in single file
- Leverages and protects investments in monitoring data
 - Common data elements emerging from monitoring community
 - Marketplace of who, what, when and where for monitoring
- Supports water quality based decision making
 - Comparison to water quality standards
 - Identify hotspots
 - Develop protection and restoration plans
 - Modeling expected changes

Overview of Water Monitoring Data flow



Data submitted through WQX is queryable through the Water Quality Portal accessible at the following URL www.waterqualitydata.us (Figure 1)

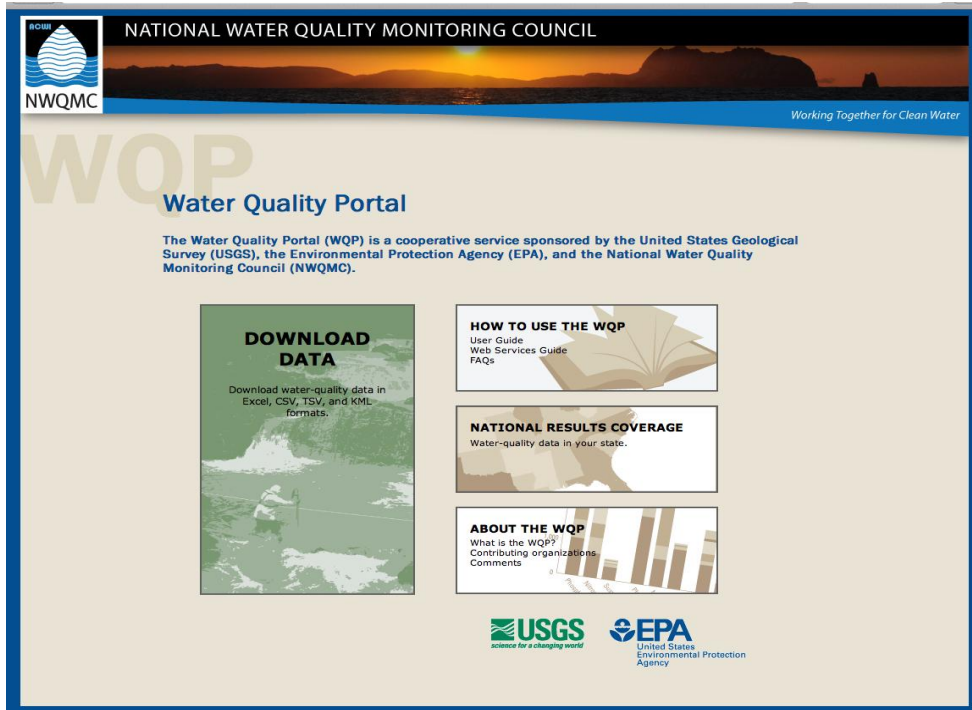


Figure 1.

STORET Data Holdings viewed through the Water Quality Data Portal (Figure 2).

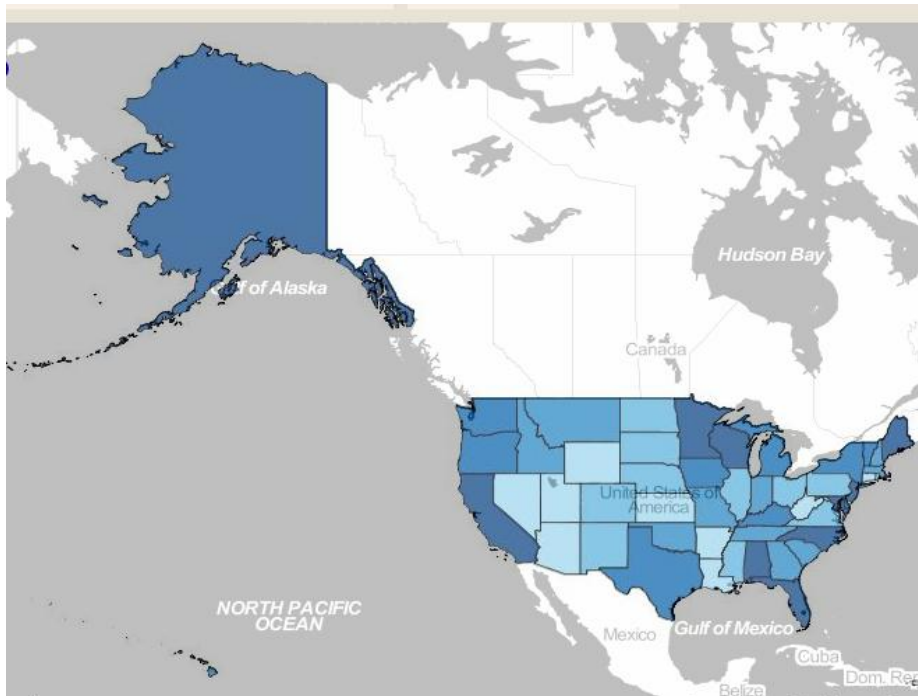


Figure 2.

The STORET Dashboard

- Provides states with a quick view to the water data holdings
- Enables quick searches on the amount of data by organization
- Provides counts on the most measured physical and chemical parameters

STORET Dashboard homepage

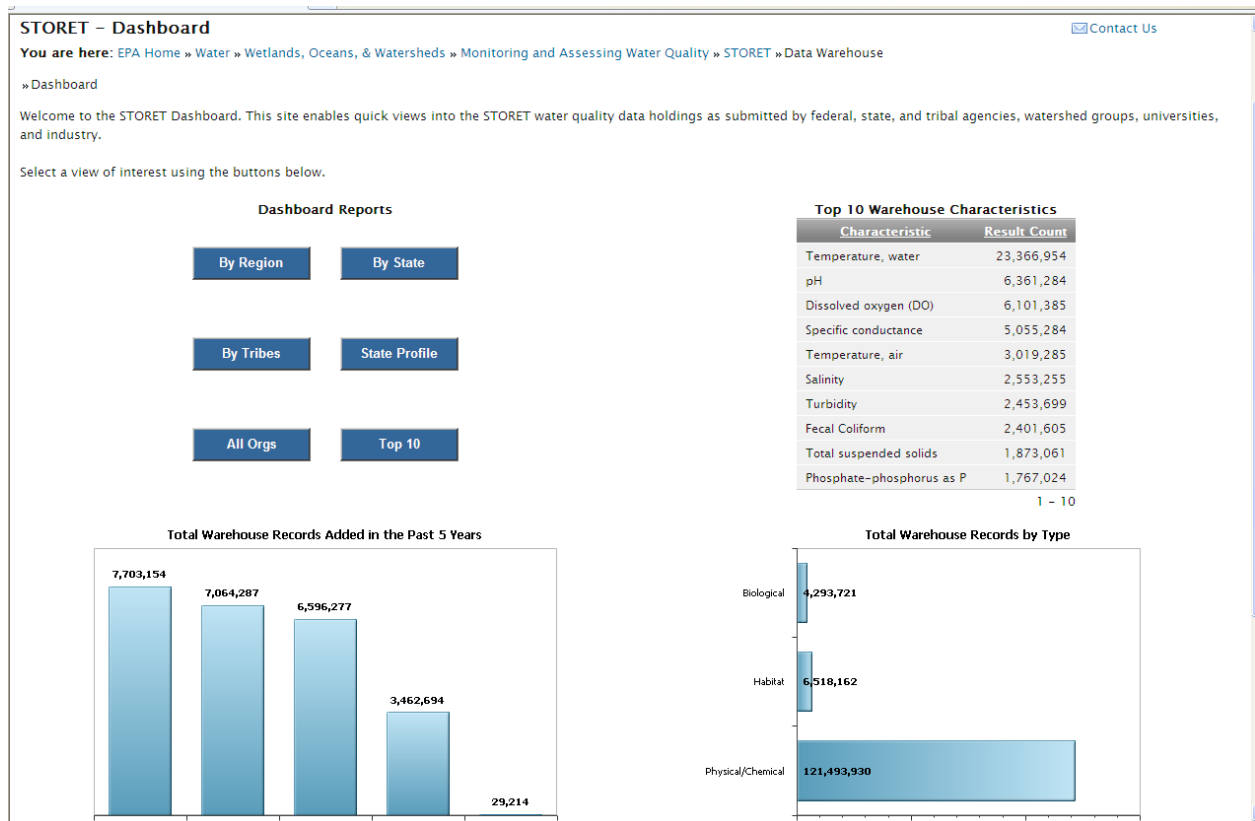


Figure 3.

Benefits of the dashboard

- Saves time searching for data by providing a quick view into the data
- Aids facilitation with other watershed partners
- Helps leverage the high cost of monitoring to identify data of interest
 - For example, whether to conduct a study on N

STORET dashboard summary of state data holdings - New Jersey

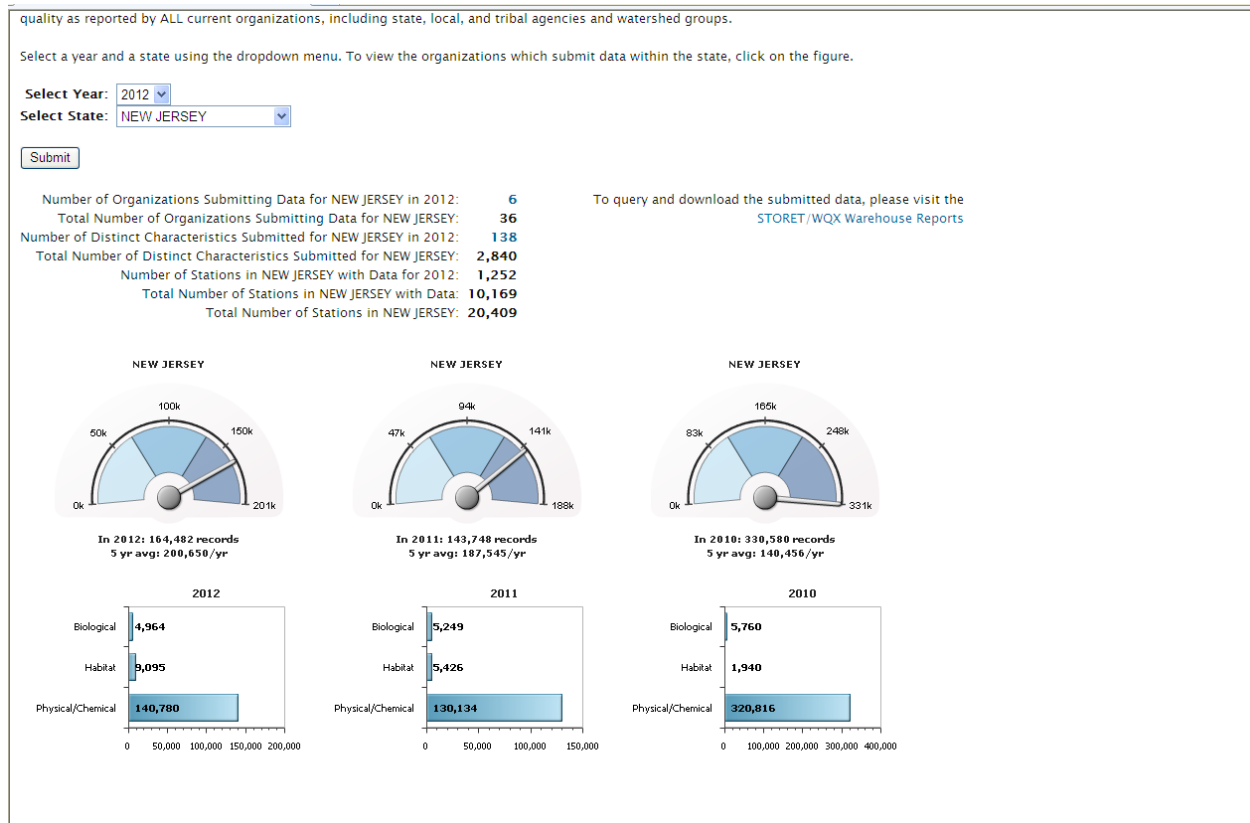


Figure 4.

Tools Are Only as Useful as the Amount of Data in Them

Status of State WQX Flows for Ambient Water Monitoring Data Holdings over a 5 Year Average 2012-2008

- High >100,000 average annual records– 8 states
- Medium 40-100,000 average annual records– 13 states
- Low <40,000 average annual records– 14 states
- Beach Only WQX Submitters – 14 states
 - These states do not count as an ambient water monitoring data submission since they only submit E. coli or enterococcus data at a beach.
- Non-WQX submitters – 7 states

STORET Dashboard summary of state data holdings by organization – New Jersey

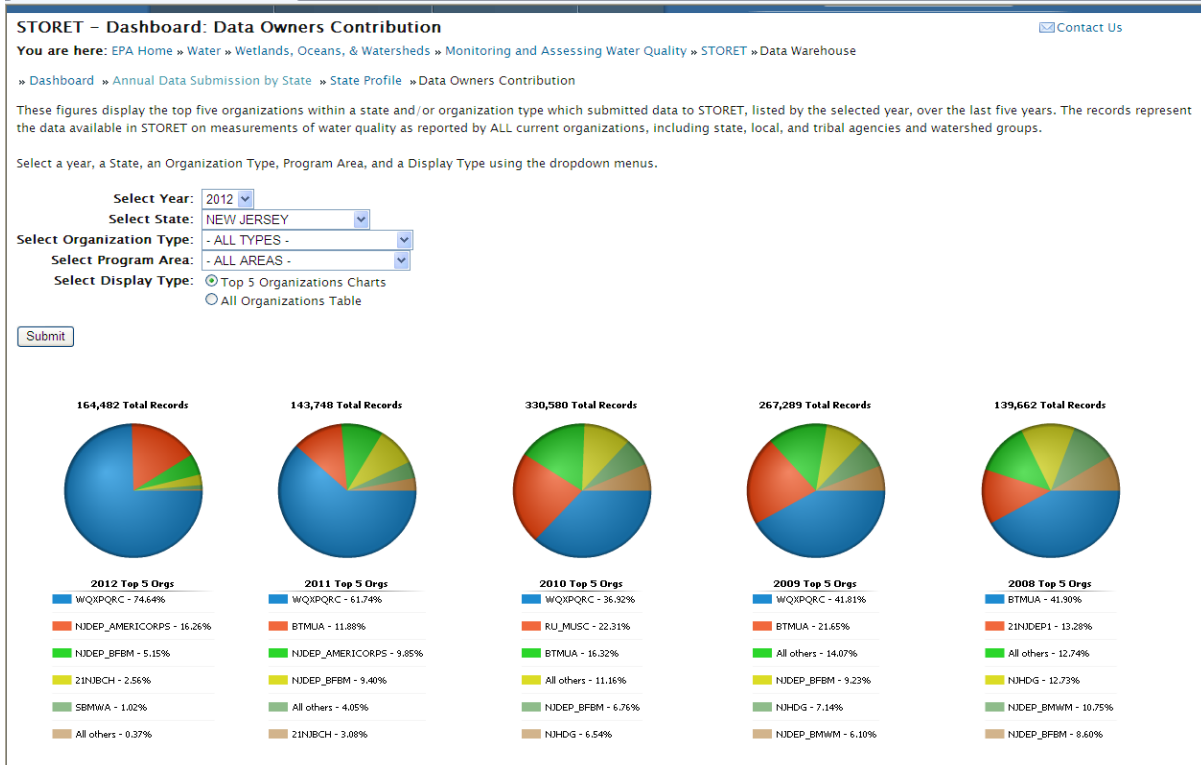


Figure 5.

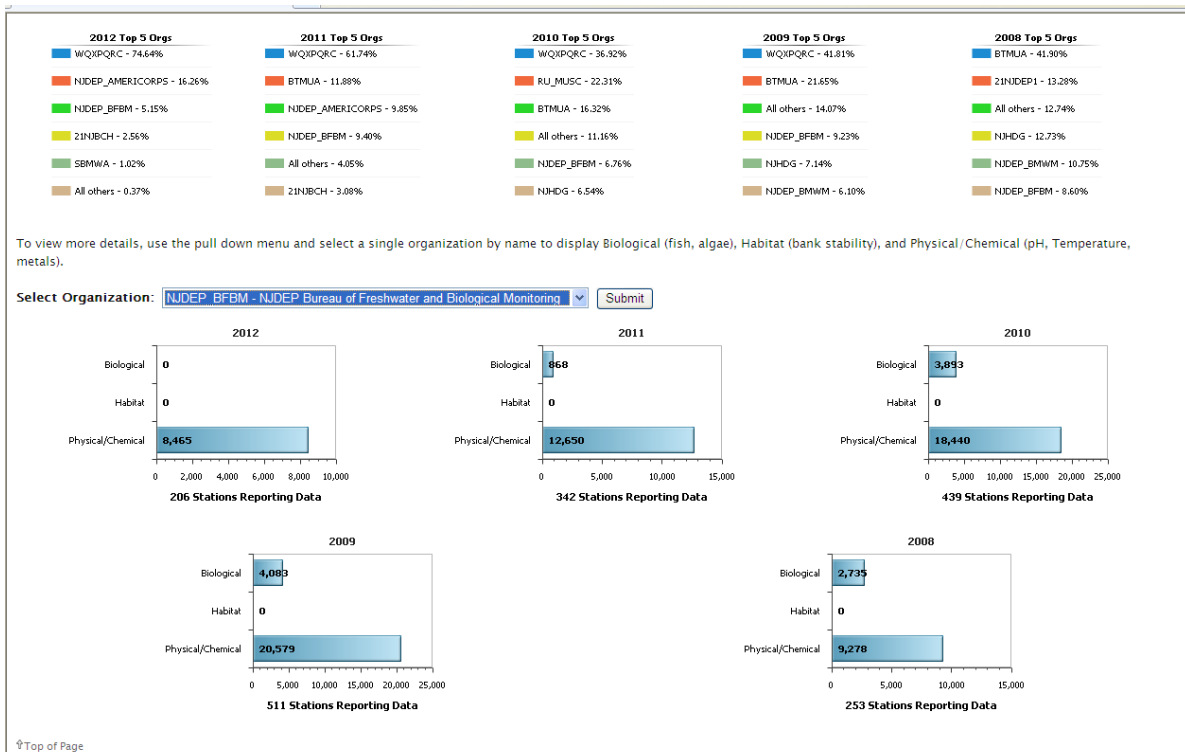


Figure 6.

STORET Dashboard summary of state data holdings by organization – New Jersey

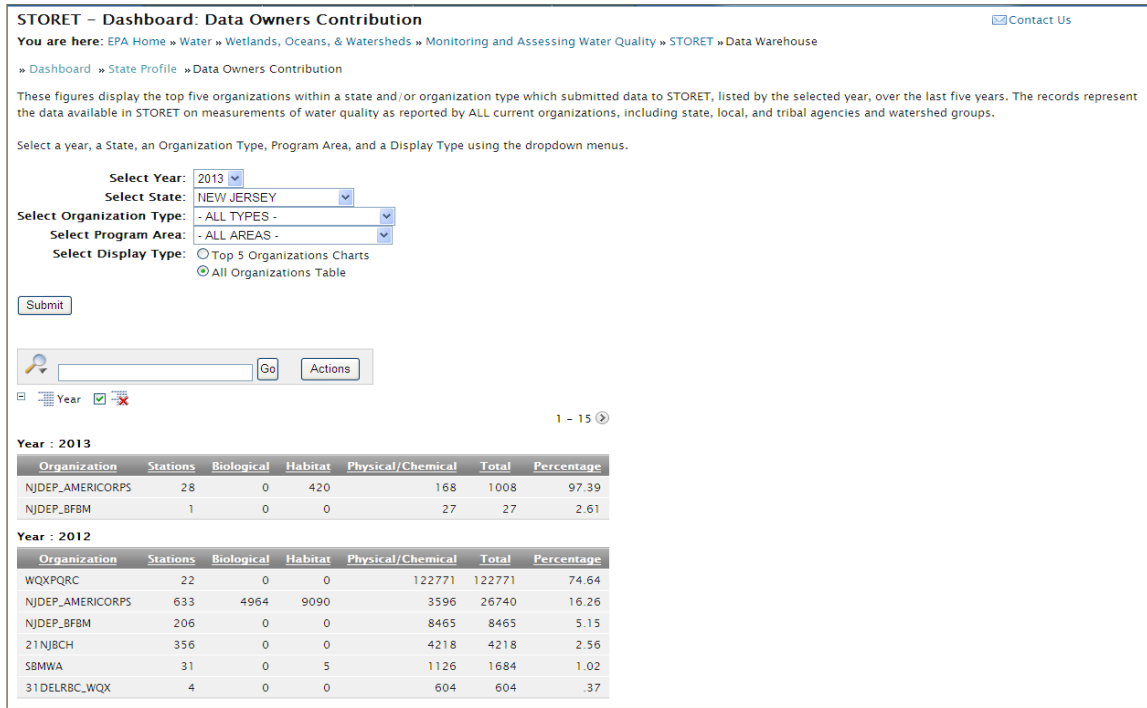


Figure 7.

STORET Dashboard summary of state data holdings by characteristic type– New Jersey

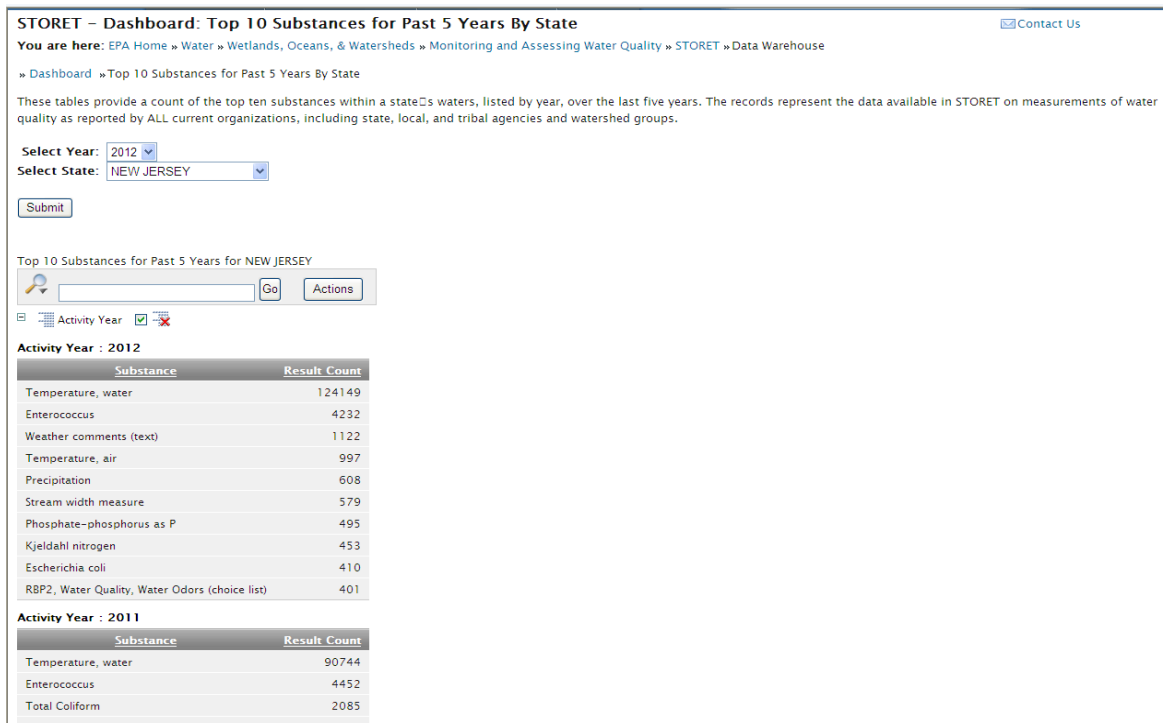


Figure 8.

Participants on the call (based on who emailed STORET@epa.gov)

<i>Rick Langel</i>	<i>Iowa Department of Natural Resources</i>
<i>Bill Richardson</i>	<i>EPA region 3</i>
<i>Ben Cole</i>	<i>Maryland Department Of Natural Resources</i>
<i>Kathy Knowles</i>	<i>Delaware Department of Natural Resources</i>
<i>Dean Tucker</i>	<i>National Park Service Water Resources Division</i>
<i>Caitlyn Nichols</i>	<i>NEIWPCC</i>
<i>Andrea Thomas</i>	<i>North Carolina Department of Water Quality</i>
<i>Molly Pulket</i>	<i>Pennsylvania Department of Environmental Protection</i>
<i>Deb Soule</i>	<i>New Hampshire Department of Environmental Service</i>
<i>Bruce Tuttle</i>	<i>Idaho Department of Water Resources</i>
<i>Bill Kramer</i>	<i>USEPA Headquarters</i>
<i>Jim Hudson</i>	<i>Wisconsin Department of Natural Resources</i>
<i>Jennifer Telford</i>	<i>Critigen</i>
<i>Clifford Jarmon</i>	<i>District Department of the Environment</i>
<i>Paul Andrews</i>	<i>RTI International</i>
<i>Bryan Rabon</i>	<i>South Carolina Department of Health and Environmental Control</i>
<i>Jim Hudson</i>	<i>Wisconsin Department of Natural Resources</i>
<i>Susanne Meidel</i>	<i>Maine Department of Environmental Protection</i>
<i>Samantha Bennett</i>	<i>Earthsoft</i>
<i>Diane Stevenson</i>	<i>Cherokee Nations Environmental Programs</i>
<i>Kris Jenson</i>	<i>EPA region 8</i>
<i>Paul Morton</i>	<i>New Jersey Department of Environmental Protection</i>