

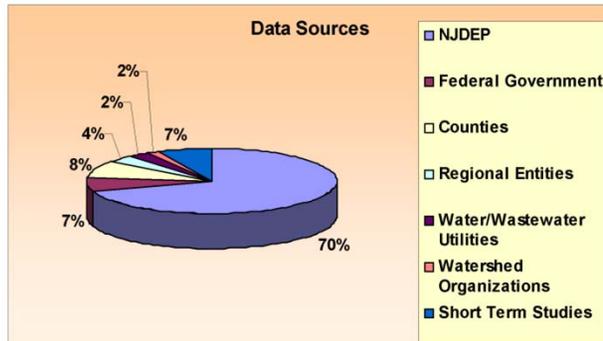
National Water Quality Monitoring Conference

Portland, OR May 1-4, 2012

- **NJWMC Poster** (full poster on display)
 - Highlights: Operations, Continuous Monitoring Inventory, Workshops/Summits, IR Data Submission, BB Monitoring

2. Increased Data Sharing for State Water Quality Report

Example Data Source Breakdown for State Integrated Water Quality Report



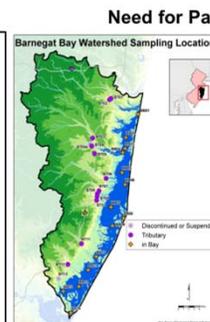
Council Member Organizations Contributing Data

USGS		Monmouth County Health Department	
Delaware River Basin Commission		Stony Brook-Millstone Watershed Assoc.	
US EPA Region 2		Rutgers Cooperative Extension	
Interstate Environmental Commission		NJ Harbor Dischargers	
NJ Water Supply Authority		Brick Township MUA	



3. Council is Foundation for New Monitoring Consortium: Governor's Barnegat Bay Ecological Health Initiative (2011-2013)

- ID water quality impairments
- Develop models to direct restoration or TMDLs
- ID water quality/loading targets for nutrients, etc.



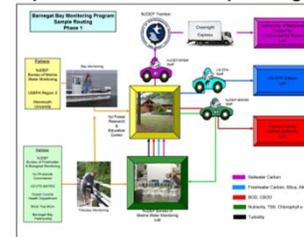
Need for Partnerships

- Extensive monitoring and lab needs
- Exceeds DEP capacity
- 13 Trib & 14 Bay Stations
- Sampled ~ 4x/month
- > 7500 field measurements in first 6 months

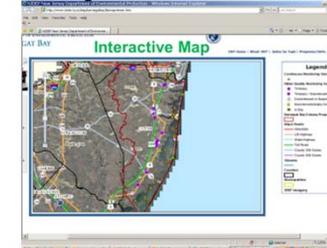
13 Monitoring & Lab Partners

NJ Water Monitoring Council Members

Sample Collection & Transport Logistics



Making Data Available to Partners



2012 National Water Monitoring Conference Information

- *State & Regional Councils Workshop – State (CA, CO ,FL, MD, NJ), regional and tribal councils*
 - *Common Council activities*
 - collaboration, technical info sharing, data sharing, data comparability, monitoring inventories, workshops
 - *Council Differences*
 - level of formality, advisory functions, inclusion of consulting or data user members, funding levels & sources (State resources - often in-kind, EPA, NPDES fees, fishing licenses)
 - *CA Clean Water Team (monthly) Monitoring Webinars:*
http://www.waterboards.ca.gov/mywaterquality/monitoring_council/collaboration_network/index.shtml

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Conference Information (cont)

- National Council White Paper – *Integrating Water Quality Monitoring of Our Nation's Waters* (handout)
- *Statistical NEMI* - statistical methods search beta version (www.nemi.gov)
- *Release of Water Quality Portal* – access and download data from USGS NWIS & EPA STORET databases (www.waterqualitydata.us)
- State Water Programs (e.g. OR, SC) *use of R –based statistical assessment tools for monitoring data*
- Increasing integration/leveraging of national (NARS) and state-scale probabilistic monitoring

Conference Information (cont)

- **Mercury** - significant focus on modeling of landscape & other factors predictive of elevated mercury fish tissue levels
- **Cyanobacteria** and related toxin monitoring expanding
- Increasing use of **water quality indices/report cards** (e.g. MA, Chesapeake Bay, SC, San Diego Coastkeeper). Communication BEYOND 305(b)/303(d) speak
- Abundance of **Partnerships/Monitoring Collaborations** – e.g. NJ Barnegat Bay presentation
- **Presentations available online by end of June**