



**Potomac River Water
Quality and Water
Resources Fact Sheets**

CBPC Comments &
WRTC Survey Results

WRTC January 31, 2013

Potomac River Water Quality Fact Sheet

- CBPC members provided comments at the January 17th meeting – Main Points
 - They liked the content, details and graphical information - not too detailed
 - Need to create an executive summary as an attachment – will do so for upcoming COG Board meeting
- We need include additional details regarding station locations on the water quality trends table (page 7)
- We should include language about the fact that ratepayer's funds are making a positive contribution
- Note that the fact sheet provides a snapshot of water quality conditions in the Potomac River
- Goal is to complement this fact sheet with a series of additional fact sheets

Potomac Water Quality Fact Sheet Survey

SURVEY QUESTION – PLEASE RANK THE FACT SHEET THAT IS OF MOST INTEREST / USE TO YOU

- **Submerged Aquatic Vegetation**
Address the entire estuary
Highlight smaller areas where local restoration efforts have had significant impacts and provide the most recent data
- **Algal Blooms**
Review the history of algal blooms in the Potomac
Discuss in factors such as seasonality, species composition, etc.
- **Living Resources**
Explore the population trends of fish species in more detail
Look at other species as well
- **Emerging Contaminants**
Document the latest research on intersex fish species in the Potomac
Focus on toxics relevant to the estuary (PCBs, etc.)
- **Chain Bridge Monitoring**
Summarize water quality trends at the fall line using flow-adjusted concentration and load trend data
- **Estuary Water Quality**
Document the most recent data and water quality trends
- **Climate Change**
Discuss the importance of extreme weather conditions and the effects on Potomac Water Quality
- **Local Stream Health**
Summarize local stream results in the COG region
Explain the connection to water quality in the Potomac River
- **What type of work product (fact sheet, report, etc.) would be useful for you?**
- **Are we missing any topics that are relevant to Potomac water quality?**

Results

- 1st choice – Local Stream Health
- 2nd – Estuary Water Quality
- 3rd – Algal Blooms
 - 4th & 5th (tied) SAV & Chain Bridge Monitoring, 6th Emerging Contaminants, 7th Living Resources
- What type of work product (fact sheet, report, etc.) would be useful for you?
 - Groundwater resources
 - Local water quality, wet weather impacts and adaptation issues
- Are we missing any topics that are relevant to Potomac water quality?
 - Water / Energy Nexus

Water Resources Fact Sheets

SURVEY QUESTION – PLEASE RANK THE FACT SHEET THAT IS OF MOST INTEREST / USE TO YOU

- **Regional Wastewater Treatment Plants** – Update to previous fact sheet. Highlights historical performance of wastewater plants in reducing nutrient loads and improved water quality, and reports status of implementation to meet Bay TMDL goals.
- **Regional Water Resource Infrastructure** - Being prepared to support upcoming event. Summarize wastewater/drinking water/stormwater facilities and systems, noting importance to region, financial investments made and still needed, challenges and opportunities, etc.
- **Extreme Wet Weather/Climate Change and Water Resource Impacts** – Summarize current understanding of potential impacts/vulnerabilities on region's water resources/facilities and water quality, and adaptation actions being implemented
- **Regional Stormwater Management** – Update to previous fact sheet. Note that content will be determined based upon January 31 WRTC stormwater work session
- **Climate, Energy and Environmental Sustainability in Water Resources** - adaptation actions/best practices being implemented

Results

- 1st – Regional Water Resource Infrastructure
- 2nd – Extreme Wet Weather/Climate Change and Water Resource Impacts
- 3rd – Regional Stormwater Management
- 4th – Regional Wastewater Treatment Plants
- 5th – Climate, Energy and Environmental Sustainability in Water Resources