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**Tuesday, July 21, 2015 11:00 a.m.**

**Applications of High Frequency Water Quality Monitoring Data  
across the Chesapeake Bay Program Partnership**

Dr. Peter Tango, Monitoring Coordinator Chesapeake Bay Program Office

Since U.S. EPA Environmental Monitoring and Assessment Program efforts in Chesapeake Bay during the 1980s and early 1990s, high temporal and spatial density water quality monitoring has expanded data collections that have resulted in tens of millions of data points annually. Analysis and application of this wealth of data continues to evolve building a new level of environmental intelligence about the bay and watershed conditions and processes. However, the Chesapeake Bay Program partnership does not yet have a defined monitoring strategy for the future that addresses the level and location of high frequency data collection investments that will improve decision-support in the region.

In this presentation, I will provide a range of examples that illustrate how high frequency water quality monitoring data has been used to support science, management and decision-making in recent decades by the CBP partnership. In closing I will invite discussion on a path forward in developing a strategy to guide future monitoring investments in the bay and watershed that further supporting new science, strong decision-making and adaptive management.



Dr. Peter Tango can be reached at [pjtango@usgs.gov](mailto:pjtango@usgs.gov)

*This presentation will also be available remotely via Webex:*

<https://usgs.webex.com/usgs/j.php?MTID=me4d977c41de7d07672a0535c7d94863b>

For directions to the USGS MD-DE-DC WSC: <http://md.water.usgs.gov/directions/baltimore.html>.