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STORMWATER REPORT

Finding a Signal in the Noise

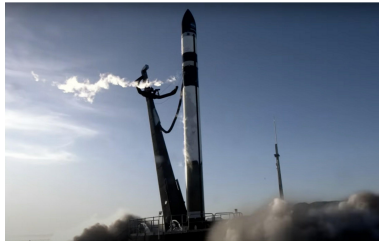
From infrastructure specifications to storm-simulation models to runoff-sample compositions, the amount of data available to stormwater professionals is often overwhelming. Finding the actionable points within this ocean of data can sometimes prove more challenging than capitalizing on those insights. However, the right methods and equipment — a well-designed survey or a state-of-the-art storm-monitoring satellite, for example — can make all the difference when attempting to draw concrete conclusions from a seemingly endless flow of data. This edition of [Stormwater Report](#) highlights emerging data-analysis tactics that already are decoding important signals from the noise.

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[Third MS4 Survey Reveals Gaps in Resilience Planning](#)

The Water Environment Federation recently released results from its third, biennial National Municipal Separate Storm Sewer System (MS4) Needs Assessment Survey. Answers from more than 600 regulated MS4s detail how the U.S. stormwater sector continues to struggle with such challenges as funding and financing, aging infrastructure, an undersized workforce, and gaps in long-term planning. [Learn more about the U.S. stormwater sector's greatest strengths and most pressing needs.](#)



[Tiny Satellites Provide Big Insights During Tropical Storm Season](#)

A "constellation" of four milk carton-sized satellites launched by the U.S. National Aeronautics and Space Administration is now in orbit over Earth's tropics, providing new details on how severe storms develop, move, and deliver precipitation. These satellites can monitor a specific point within the troposphere as much as six times more frequently than existing satellites. [This increase in frequency promises to dramatically improve forecasting for tropical storms.](#)

[Forecasters Optimistic About Size of Chesapeake Bay Summer Dead Zone](#)

The Chesapeake Bay's annual summer dead zone — the area with dissolved oxygen concentrations too low to support aquatic life — is shaping up to be smaller this year than it has been in decades. Preliminary measurements confirm a prediction by the



Chesapeake Bay Program that this year's dead zone would be roughly 33% smaller than the long-term average. [Get details on the link between rainfall and the Chesapeake Bay dead zone](#) .



[Make Your Voice Heard to Support Water Infrastructure Funding](#)

Through the Infrastructure Investment & Jobs Act (IIJA) of 2021, the U.S. Congress authorized historic levels of financial support for water infrastructure rehabilitation. It is now critical for Congress to include full funding for the programs authorized in IIJA, as well as several additional existing programs, in the FY2024 budget. [Use WEF's Water Advocates tool to urge your Congressional representatives to support funding for water infrastructure](#) .

[Register to Attend WEFTEC 2023](#)

WEFTEC 2023, the water sector's premier annual education and networking event, will take place in Chicago, Sept. 30 - Oct. 4. Attendee registration is now open. [Register by Sept. 1 to save, browse this year's educational offerings](#) , and [download the official WEFTEC 2023 app](#) .



[Save the Date: Collection Systems and Stormwater Conference 2024](#)

The WEF Collection Systems Conference and Stormwater Summit will take place as a combined event next year, April 9 - 12, 2024 in Hartford, Connecticut. Call for Content details will become available soon. If you are interested in helping plan the event,

please sign up to [join the steering committee](#) by August 8. [Learn more about Collection Systems and Stormwater Conference 2024](#) .



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