



Boston Water & Sewer Commission Uses FlowWorks to Provide the Public With a Better Understanding of Local Combined Sewer Overflow (CSO) Events

Owner: Boston Water & Sewer Commission

Primary Contact: Paul Keohan - Project Manager

Location: Boston, MA

FlowWorks provides analytical tools, such as the Event Finder, for CSO reporting, rainfall event identification, data gap analysis and numerous other applications where evaluating large data sets is required. The Boston Water and Sewer Commission (BWSC) has worked with FlowWorks to develop a publicly accessible web-portal for viewing combined sewer overflow (CSO) events. The tool is part of BWSC's plan to educate the public on CSO's, and is incorporated into the BWSC website along with related educational material. Paul Keohan, the Boston Water & Sewer Commission Project Manager, stated "We found the Event Finder to be a very useful tool for identifying conditions that caused overflows".

The interface splits the City into 4 distinct maps, each showing overflow points, pipes and outfall locations. By clicking on an overflow point, the user is shown where that overflow discharges into the harbor. A list of overflow events including automatic calculation of the duration of each overflow is then provided. The user has the option to select from various time frames, and whether initial "live" data or "final" quality-controlled data is used. Red and green color coding helps show if an overflow occurred or not during the time period of interest at a given location.



To find CSO Events, select the site(s), the date range, and the data set(s).

Select Site:	<input type="text"/>	Date Range:	<input type="text" value="Last 7 Days"/>	Data Set:	<input type="text" value="Preliminary"/>
Site	Event Start	Event End	Duration	Data Set	
No events found!					

The tool outlines some of the benefits of using FlowWorks including:

- Safely publish a selected subset of a large dataset (complete with meaningful analysis) to the public .
- Ability to integrate FlowWorks and corporate website information into a single unified tool, presented from the client's own web server.
- FlowWorks hardware-agnostic approach allows for easy integration of any type of flow meter or measurement device into BWSC's future plan.



A Better Way to Manage Data

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