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Improvements in Water Monitoring

Total suspended solids have been of particular interest in urban runoff. Monitoring these suspended solids, however, is problematic because their concentration varies throughout the water column due to settling. The standard method for a sampling inlet is at the bottom of a pipe or channel in the region of main flow. As a result, concentrations of coarse silts and sands are often over-measured and an improved understanding of the representative concentration when sampling is needed.

In this presentation, results of laboratory tests of the performance of standard storm water sampling techniques will be contrasted with a new manifold designed to sample at points throughout the height of the flow.



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