# EAST BAY MUNICIPAL UTILITY DISTRICT
# REGIONAL DATA MANAGEMENT PLAN FRAMEWORK

| CLIENT | LOCATION | BUDGET | COMPLETED |
|---|---|---|---|
| East Bay Municipal Utility District | Oakland, CA | $49,469 | July 2018 |

| CONTACT | ROLE | TEAM MEMBERS | DURATION |
|---|---|---|---|
| Christopher Dinsmore<br>Senior Civil Engineer<br>Inflow and Infiltration Program<br>East Bay Municipal Utility District<br>PO Box 24055, MS702<br>Oakland, CA 94623-1055 | Contracted under HDR as Subject Matter Expert | John Evans, PE<br>Eric Freedman, LEED AP BD+C | 12 months |

East Bay Municipal Utility District (EBMUD) and its tributary satellite collection system agencies (Satellites) agreed, under the terms of a Consent Decree, to implement a long-term program with a goal to identify and eliminate inflow and infiltration (I/I) sources within the Regional Wastewater Collection and Transmission System (RWCTS) service area. Removal of I/I sources in the RWCTS will ultimately provide a level of service that includes EBMUD's Wet Weather Facilities (WWF) not discharging during a storm event equivalent to the December 5th, 1952 storm used for compliance purposes.

An essential piece of the overall regional program is the Consent Decree-required Regional Technical Support Program (RTSP). There is recognition by involved parties that a tremendous amount of data has and will be collected by both EBMUD and the Satellites through implementation of the RTSP, which will need to be analyzed, managed and ultimately used to make decisions regarding significant infrastructure investments.

Further, as EBMUD is a regional authority, it does not own or maintain the data from the Satellites; therefore, the implementation of a Regional Data Management Platform (RDMP) will provide an effective platform for the necessary coordination of the Satellites with EBMUD to share information and data. The RDMP will provide a framework for facilitating the collection of data, assessing the quality of data, identifying data gaps, analyzing data, and managing the various types of data gathered by various entities in support of the overall program. To achieve the goals of the RTSP to identify I/I sources, the cooperation of the Satellites is necessary. For the purposes of the RTSP, this cooperation includes sharing information and data in a consistent format and in a timely fashion. Provision of data from the Satellites to EBMUD in a consistent format allows EBMUD to design workflow and data analysis processes within the RDMP allowing for effective and efficient characterization of sources of I/I. This Plan was developed for use by staff at EBMUD who will play a role in the planning, design, implementation, and maintenance of the RDMP. In addition to establishing the conceptual framework for the RDMP, this document's goal is to provide a high level roadmap for its design and implementation.

Blue Cypress was a co-author of the Data Management Plan Framework that EBMUD incorporated into its RTSP deliverable to the EPA. The deliverable documented goals and benefits, data needs, conceptual architecture options with pros/cons, high level work flows, and a framework for implementation plan development.