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## B A S M A A

**Project:** Tracking California's Trash

**Description:** This project was funded through the Public Resources Code (PRC) §75072 Planning and Monitoring Projects portion of the Proposition 84 Stormwater Grant Program (SWGP) from the State Water Resources Control Board (SWRCB). The overall goal of the *Tracking California's Trash* project was to improve municipal stormwater programs' collective knowledge about California's trash problems and the actions regulators and public agencies can take to help resolve those problems. The primary objectives of the project were to:

1. Develop and test scientifically sound and cost-effective stormwater and receiving water trash monitoring methods that allow agencies to measure sustained, long-term water quality improvements over time.
2. Fill critical information gaps on the effectiveness and costs/benefits of implementing specific stormwater BMPs (e.g., street sweeping) that address trash.

The desired outcomes of the *Tracking California's Trash* project were:

1. The development of rigorous and repeatable methods that are acceptable for conducting visual assessments and quantitative waste characterizations to evaluate trash from on-land sources and in receiving waters. The visual assessment methods would be appropriate for use by municipal stormwater programs as well as citizen monitoring groups to evaluate progress towards trash reduction goals (e.g., 303(d) listing for Lake Merritt in Oakland, California) because of control measure implementation.
2. Information used to select the most cost-effective management actions to reduce trash and provide a comparison between institutional BMPs and other types of controls measures (e.g., full capture devices).

Implementation of the project's two main tasks (below) resulted in three technical reports – each with significant Conclusions and Recommendations sections.

Task: Trash Trends and Flux Monitoring Methods Development

*Testing Trash "Flux" Monitoring Methods in Flowing Water Bodies*

*Evaluation of the On-land Visual Assessment Protocol as a Method to Establish Baseline Levels of Trash and Detect Improvements in Stormwater Quality*

Task: Stormwater BMP Effectiveness and Cost Evaluations

*Evaluation of Street Sweeping and Curb Inlet Screens as Measures to Control Trash in Stormwater*

**FY:** 13/14 through 16/17

## Tracking California's Trash

**Grantor:** SWRCB

**Overseer:** Board of Directors

**Contracting**

**Agency:** BASMAA

**Contractors:** EOA; 5 Gyres; Geosyntec Consultants

**Participants:** City of Fremont; City of Oakland; City of San Jose; SCVURPPP

**Budget:** Total with Match = \$735,423; Total Grant = \$654,765; (FY 13/14 = \$145,968; FY 14/15 = \$249,528; FY 15/16 = \$186,914; FY 16/17 = \$72,355) Match (BASMAA and member agencies) = \$80,658

**Status:** Done

**Deliverable(s):**

- Technical Reviews and Plans
  - *Literature Review* (October 2014)
  - *Monitoring Plan* (MP) (October 2014)
  - *Project Assessment and Evaluation Plan* (PAEP) (October 2014)
  - *Quality Assurance Project Plan* (QAPP) (October 2014)
  - *Sampling and Analysis Plan* (SAP) (December 2014)
- Technical Reports
  - *Evaluation of the On-land Visual Assessment Protocol as a Method to Establish Baseline Levels of Trash and Detect Improvements in Stormwater Quality with Appendices* (December 2016)
  - *Evaluation of Street Sweeping and Curb Inlet Screens as Measures to Control Trash in Stormwater with Appendices* (December 2016)
  - *Testing Trash "Flux" Monitoring Methods in Flowing Water Bodies* (December 2016)
- Annual Progress Summaries
  - *Annual Progress Summary* – September 2014
  - *Annual Progress Summary* – September 2015
  - *Annual Progress Summary* – September 2016
- Final Reports
  - *Final Project Report with Appendices* (June 2017)
  - *Final Project Summary* (July 2017)
- Project Closeout
  - *Final Project Inspection and Certification* (June 2017)
  - *Final Project Report and Deliverables Completion Letter* (January 2018)