B A S M A A

Project: Regional Creek Status and Long-Term Trends Monitoring Design

Description: The objective of this project was to develop a probabilistic ambient survey design for regional creek status and long-term trends monitoring requirements included in provisions C.8.c (Status Monitoring/Rotating Watersheds) and C.8.e (Long-Term Trends) of the Municipal Regional Permit (MRP). The probabilistic design for creek status included those monitoring parameters in provision C.8.c that were determined by the BASMAA Regional Monitoring Coalition (RMC) to be of regional interest (see Table 2 of the RMC Work Plan). As part of the design for creek status, the concept of a "Master Sample" was included to allow data collected through the RMC to be comparable to the design of the State Water Resource Control Board's Perennial Stream Assessment (PSA) that was implemented through the Surface Water Ambient Monitoring Program (SWAMP), and the Southern California Stormwater Monitoring Coalition's (SMC) ambient monitoring program. Tasks included:

- Confirm Management Questions and Scope for Regional Creek Monitoring
- Establish Creek Status and Long-term Trends Sampling Frames Parameters
- Acquire Applicable Data & Information / Develop GIS-based Sample Frame
- Develop Master Sample
- Develop Creek Status Sample Draw and Long-term Monitoring Sites
- Site Reconnaissance Training and Evaluation Criteria Development
- Creek Status and Long-term Trends Monitoring Design Report

FY: 09/10 through 11/12

Overseer: Monitoring / POCs Committee

Contracting Agency: CCCWP; SCVURPPP

Contractors: Armand Ruby Consulting (ARC); EOA

Budget: $85,336 ($15,000 In-Kind from CCCWP; $70,336 In-Kind from SCVURPPP)

Status: Done

Deliverable(s): Technical Memo: Creek Status and Long-term Trends Sampling Frames Parameters; GIS Shapefiles and Metadata; Sample Draw List and Associated Maps; Field Reconnaissance Guidance, Forms, and Site Failure Criteria; Draft and Final Reports