

Project Number: EMC-2015-009
Project Name: Long-term trend monitoring of SWAMP sites

Background and Justification:

This project involves the addition of continuous temperature monitoring in the warmer months (May to September) at a subset of sites routinely monitored as part of the SWAMP Status and Trend Monitoring Program. The Regional SWAMP Program rotates through watersheds on a planned basis as resources allow. The Regional Board believes this approach allows for the best use of resources given available resources.

Objective(s) and Scope:

The approach focuses on a few watersheds at a time, cycling back through them every four years as funding allows. The Regional SWAMP Program began the Status and Trend Monitoring Program in Fiscal Year (FY) 2000-01. The original monitoring design utilized a two-component approach to address regional monitoring: 1) long-term “permanent” monitoring sites for trend analysis, and 2) rotating “temporary” sites for basin surveys. The original rotation schedule was closely coordinated with the TMDL development schedule to provide additional current information on water quality parameters to the TMDL development process.

Rule or Regulation: 916 [936, 956]

EMC Critical Question or Priority: WLPZ Riparian Function

Collaborators: CAL FIRE, NCRWQCB, CDFW-SWAMP

Existing or Needed Funding: Funding required

Timeline and Fiscal year (s): The current SWAMP work plan for Calendar (CY) 2012 through CY 2015 identifies 28 of the original long-term sites and 38 of the rotating basin sites for monitoring, while also adding 12 new sites. The Regional Temperature Monitoring Program will monitor temperature at a subset of these sites to monitor temperature status and trends at key locations.

Principal Investigator or Contact: R. Fadness, CAL FIRE, NCRWQCB, CDFW-SWAMP

Submitted by Dave Fowler, NCRWQCB