

Title: Using an Interactive Dashboard to Communicate Bioassessment Data

My presentation will focus on how I use an interactive dashboard as a data visualization to summarize and display bioassessment data from SWAMP's two statewide monitoring programs. The goal of the interactive dashboard is to help communicate monitoring results to managers at the regional board and state board levels. The Perennial Streams Assessment (PSA) uses a statewide statistical survey design to determine the status of streams based on biology. PSA sites were classified into four categories based on land use/land cover in the local and full upstream watershed: urban, agricultural, forest, other. The Reference Condition Monitoring Program (RCMP) targets streams with minimal human disturbance. Reference sites set the benchmark for biological conditions expected when human activity in the landscape is absent or minimal. The data from the PSA and RCMP will be summarized at the regional board level.

Presenter: Calvin Yang, State Water Resources Control Board

Calvin Yang, environmental scientist in the State Water Resources Control Board's Surface Water Ambient Monitoring Program, received a bachelor's of science in biological sciences from California State University, Sacramento. Calvin has worked at the Central Valley Regional Water Quality Control Board and State Water Resources Control Board since 2006. Calvin's main task is to facilitate coordination of statewide and regional bioassessment programs while also calculating California Stream Condition Index scores for benthic macroinvertebrate samples.