

DSM2 California Aqueduct and Delta Mendota Canal Extension

Brief Overview

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- **Objective:** Developing a DSM2 based tool for monitoring, forecasting and dissemination of data pertaining to water supply and quality
- Project is part of the Real Time Data and Forecasting (RTDF) initiative
- Funding: State Water Contractors (SWC)

- Project Coordinator: CH2M Hill
- Support Provided by DWR Delta Modeling Section

Scope of the Project

- Extending the DSM2 grid to cover:
 - California Aqueduct
 - DMC
 - South Bay Aqueduct
 - San Luis and O'Neil Forebay

Data Needs

- Geometry
(channels, Gates, Check Structures, Reservoirs, Tunnels, etc.)
- Flow
- Water Quality

- Simulation Period: Jan 1, 2000 to Dec 31, 2003

Model Complications

- Increase array limits as needed
- Adding 'dummy' channels/gates to insure correct representation of the system
- Steep Channels
- May need the capabilities provided by the DSM2-DB version to handle gate triggering mechanisms more smoothly