

**San Joaquin River Dissolved Oxygenation
Total Maximum Daily Load
Modeling Workshop**

**May 17, 2005
1:00 p.m. – 4:00 p.m.
Jones & Stokes Auditorium
2600 V Street, Sacramento**

Modeling Workshop Questions for Purposes of Discussion

1. Understanding the Models

- Please explain the various water quality mechanisms included in your model and why certain mechanisms may have been excluded.
- Provide sources of equations, coefficients and previous measurements for the various mechanisms used in the model. Explain what equations or coefficients have been tested and/or modified.
- What do we learn from your model that we could not have known from the field data/monitoring alone?

2. Calibration

- How have you used field and/or laboratory measurements to calibrate your model equations, and what were the results?
- What are the key features of your model that provide confidence in your model's results (and how do they work)?
- What field data or laboratory measurements are still needed to test and verify portions of your model (and any efforts to obtain that data)?

3. Applications

- How can your model (of either the DWSC and/or river) help us manage the low dissolved oxygen conditions?
- How would you coordinate the use all available models to better understand the DWSC and river water quality conditions and management opportunities for dissolved oxygen and other parameters?