Suggested questions for Science Board/Panel (as of 8/27/04)

SOURCE IMPROVEMENT

- What BMPs are most cost-effective in reducing loadings of drinking water constituents of concern?
- What are potential BMPs to control carbon from various sources including agricultural runoff, urban and industrial land runoff, wastewaters, etc.
- What are potential BMPs to control salinity?
- Are there new BMPs which could be implemented to reduce or offset impacts from growth?
- What are the actions needed to achieve a maintainable salt balance in the San Joaquin River watershed while improving drinking water quality?

TREATMENT TECHNOLOGY

- Are there new treatment technologies which should be evaluated which could provide improvements to Delta water quality?

MONITORING, ASSESSMENT and PERFORMANCE MEASURES

- What is the baseline for the Drinking Water Quality Program and how should progress be measured?
- What is an appropriate Public Health Index**?**
- What are the largest contributions of drinking water constituents of concern?
- What are the sources of total and dissolved organic carbon and how does it move through the system?
- What is the magnitude and frequency of irrigated agriculture's contribution of TOC and salinity to surface waters?
- What is the impact of land use changes on drinking water quality?
- How should other programs and projects determine their effect on drinking water quality?
- What is a recommended methodology to use to measure salinity reduction in CBDA water quality enhancement projects?
- Are there potential synergistic effects between organic carbon and salinity?
- What would a monitoring program look like to determine if concentrations of pathogens in the Delta are at a level as to create violations to water quality standards?
- Are there new detection capabilities to reduce emerging contaminants?

EMERGING CONTAMINANTS

- What is the potential impact of emerging contaminants on human health?