

Clarifying Information on the Municipal & Industrial Objectives

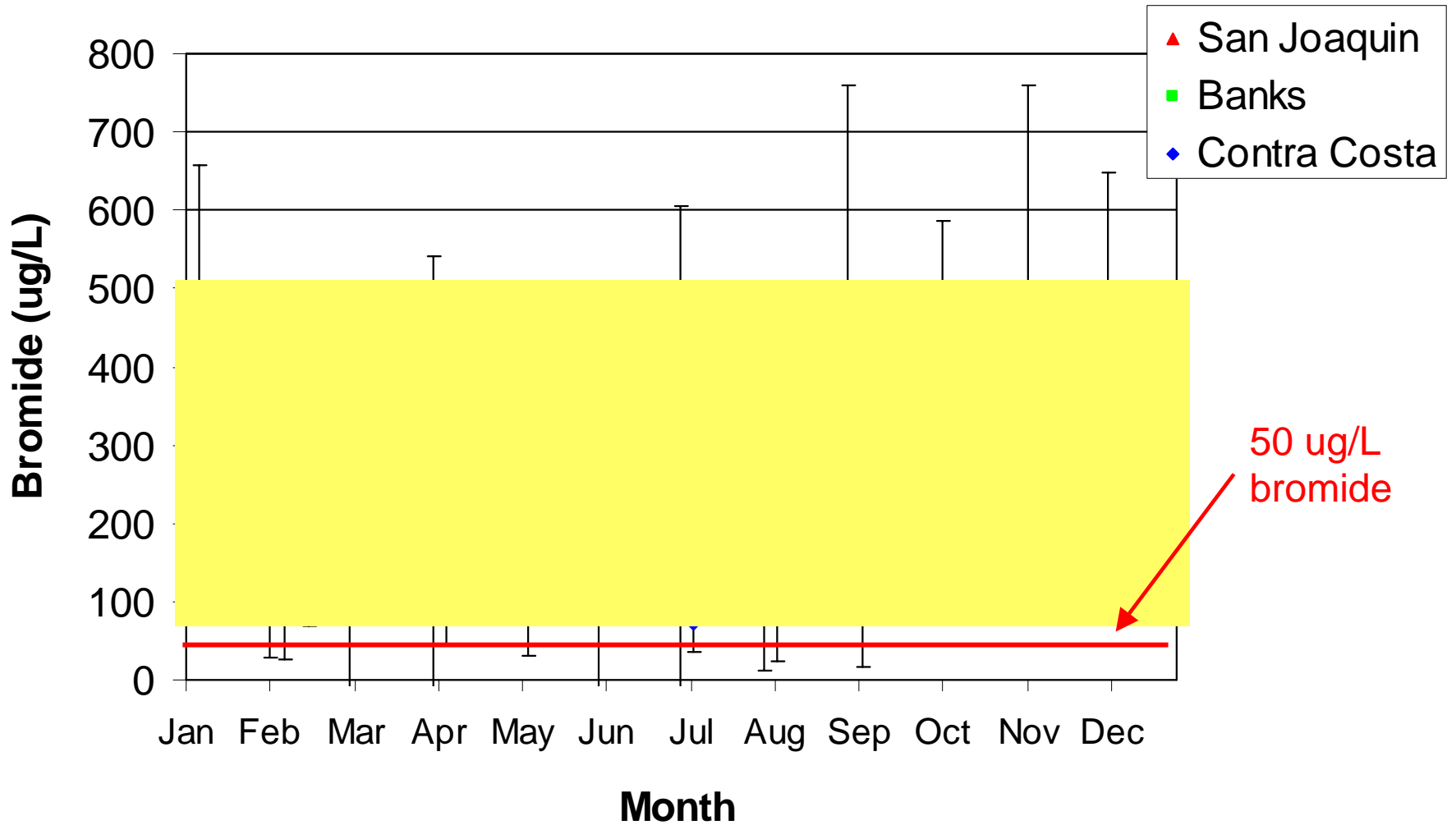
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Current Delta Water Quality

Significantly Higher Bromide than
CALFED Target

Bromide Monthly Average and Standard Deviation (1996-2004)

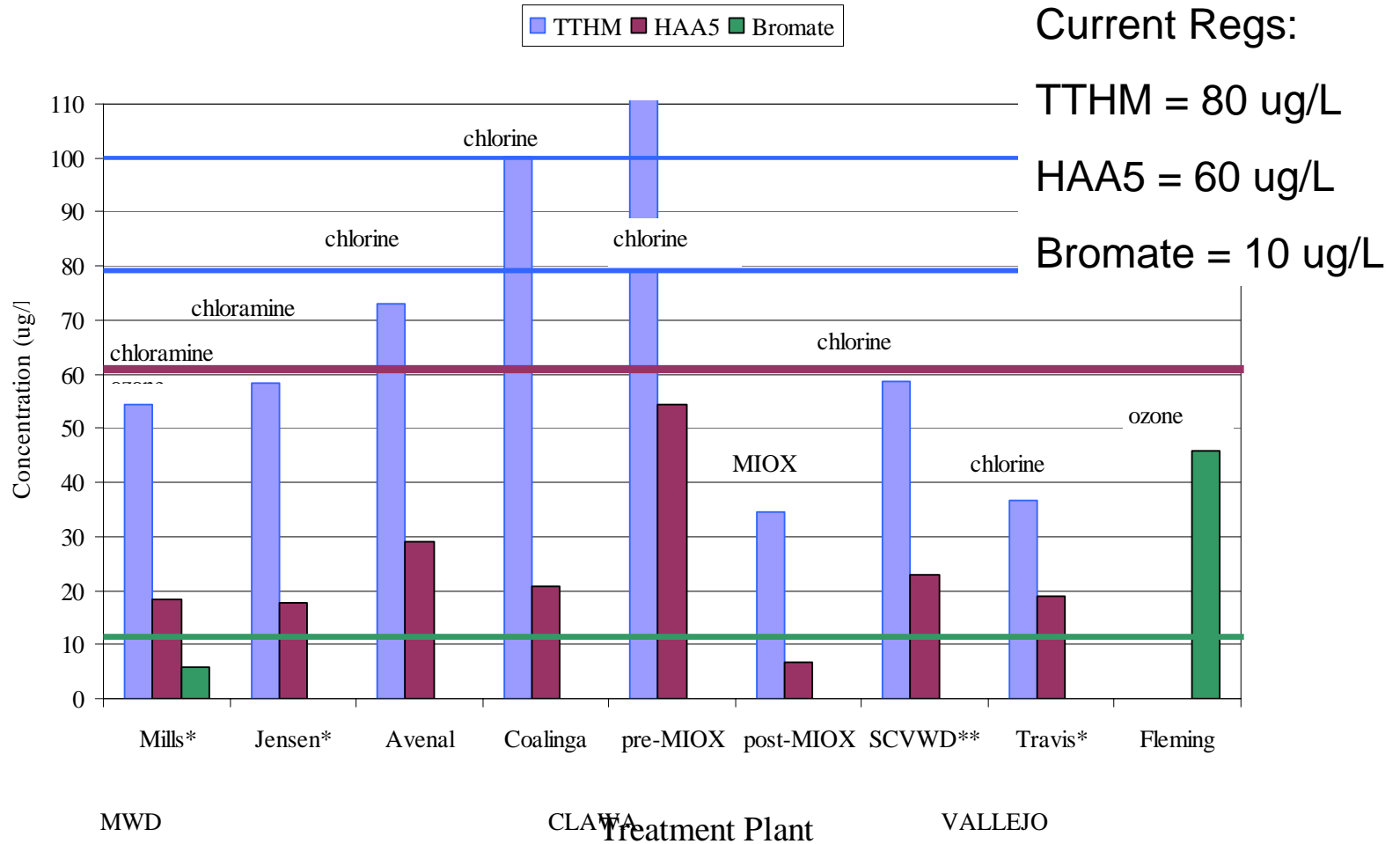


Current Treated Water Quality

Meets Existing Regulations, *or is capable of doing so with existing source water quality and improved treatment...*

Four-Year Average of DBP Levels (2000-2004)

Data gathered by DHS from individual treatment plants



Notes:

Bromate data was reported for the Mills Treatment Plant for only the fourth quarter of 2003.

*Data sets reporting DBP concentrations were incomplete for at least one year within the four-year period of sampling.

Upcoming SDWA Regulations

- Stage 2 Disinfectants/Disinfection Byproduct Rule:
 - Maintains 10 ug/L bromate standard
 - Changes from system averaging to locational averaging
- Promulgation this year (still under public review)
- 2 years to develop monitoring strategies
- Time to reach full compliance

The CALFED Program

An Integrative Approach with a
30-Year Planning Horizon

Primary Objectives

The mission of the CALFED Bay-Delta Program is to develop and implement a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses of the Bay-Delta System.

- Water Quality
- Water Supply Reliability
- Delta Levees
- Ecosystem

Water Quality Target Qualifiers

- Bromide and TOC numbers based on assuming a 5 ug/L bromate standard and backing out source water quality needs based on existing treatment technology
- CALFED recognizes that it is impossible to meet a 50 ug/L bromide target in the Delta without **significant redirected impacts** to water supply reliability and ecosystem impacts, thus proposes an “equivalent level of public health protection” alternative

Equivalent Level of Public Health Protection (Hypothetical)

Delta
Water

300 ug/L
bromide

2.5 mg/L
TOC



Treatment
Plant

10 ug/L bromate

80 ug/L TTHMs

“Either or” model

Equivalent Level of Public Health Protection (Hypothetical)

Blending Reservoir

100 ug/L bromide
3.0 mg/L TOC

Delta Water

250 ug/L bromide
2.5 mg/L TOC

Treatment Plant

5 ug/L bromate
40 ug/L TTHMs

Exchange

Delta water for additional "other" water source

Other Sources of Water

10 ug/L bromide
4 mg/L TOC

"ELPH" Model

Implementation

Over next two years:

- Funding regional planning efforts to assist in determining specific quality goals for Delta waters
- Developing conceptual models of high priority constituents (bromide, TOC) to determine optimum ways to improve water quality where really needed, without redirecting impacts