

CALFED Bay-Delta Brown Bag Seminars Present



The Interaction Among Turbidity, Salinity and Smelt During Fall and Winter: A Work in Progress

Dave Fullerton will provide a snapshot of recent efforts to better understand the relationships among turbidity, salinity and smelt. Dave intends to cover:

- New correlations from Bryan Manly relating winter salvage at the export facilities to Sacramento, San Joaquin, Old and Middle River flows. The correlations may prove useful for determining periods of high smelt vulnerability to salvage, and could become the basis of water project re-operation to limit adult smelt salvage at the lowest possible water cost.
- His work confirming the relationships reported by Feyrer et al. between turbidity, salinity, and smelt presence during the fall, based upon the Fall Mid-Water Trawl sampling results. Dave also analyzed these relationships by geographic area and will show that the relationships differ by location.
- His work to extend the analysis by Feyrer et al. on smelt presence as a function of turbidity to (1) the Spring Kodiak Trawl and (2) the export adult salvage data sets.
- Recent work exploring the effects of the Suisun Marsh Salinity Control Gates (Montezuma Slough Gates) on salinity in the lower Delta and Suisun Bay.

Dave Fullerton
Metropolitan Water
District of Southern
California

NOVEMBER 27

12 noon to 1 p.m.
Delta Room
CALFED
Headquarters
650 Capitol Mall, 5th Fl
Sacramento, CA

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**An Educational series dedicated to ideas for
California's Delta**