

## REFERENCES

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- Aitkenhead, J.A., and W. H. McDowell. 2000. Soil C:N ratio as a predictor of annual riverine DOC flux at local and regional scales. *Global Biogeochemical Cycles*, Vol. 14, pp. 127-138.
- Amy, G.L., J.M. Thompson, L. Tan, M.K. Davis, and S.W. Krasner. 1990. Evaluation of THM precursor contributions from agricultural drains. *Journal of the American Water Works Association* 80:57-64.
- Bergamaschi, B.A., M.S. Fram, R. Fujii, G. R. Aiken, C. Kendall, and S. R. Silva (undated). The Carbon Isotopic Composition of Trihalomethanes Formed from Chemically Distinct Dissolved Organic Carbon Isolates from the Sacramento-San Joaquin River Delta, California, USA.
- Bergamaschi, B., M. Fram, C. Kendall, S. Silva, G. Aiken, and R. Fujii. 1999. Carbon isotopic constraints on the contribution of plant material to the natural precursors of trihalomethanes. *Organic Geochemistry* 30:835-842.
- Bergamaschi, B., M. Fram, R. Fujii, G. Aiken, C. Kendall, and S. Silva. 2000. Trihalomethanes formed from natural organic matter isolates: using isotopic and compositional data to help understand sources. Pages 206-222 in S. Barrett, S. Krasner, and G. Amy, editors. *Natural organic matter and disinfection byproducts, characterization and control in drinking water*. American Chemical Society, Washington, DC.
- Boyer, EW, GM Hornberger, KE Bencala, and DM McKnight. 2000. Effects of asynchronous snowmelt on flushing of dissolved organic carbon: a mixing model approach. *Hydrological Processes* 14:3291-3308.
- Brown, L. 2003. Potential effects of organic carbon production on ecosystems and drinking water quality. *San Francisco Estuary and Watershed Science*, Vol 1(1), Article 3.

CALFED Bay-Delta Program. 2000. Water quality program plan 2000 [cited July 16 2000]. Available from <http://calwater.ca.gov/Programs/DrinkingWater/DrinkingWaterQualityProgramPlan.shtml>.

California Department of Water Resources (DWR), Division of Local Assistance, and Water Quality Assessment Branch. 1994. Five-year report of the municipal water quality investigations program, summary and findings during five dry years, January 1987 - December 1991.

Chapra, S.C., R. P. Canale, G. L. Amy. 1997. Empirical models for disinfection byproducts in lakes and reservoirs, *Journal of Environmental Engineering, ASCE*, Vol. 123(7), pp. 714-715.

Chow, A. T., and S. Gao. 2003. Isolation and characterization of organic disinfection by-product precursors: current state of knowledge and studies in the Sacramento-San Joaquin Delta, California: California Department of Water Resources (DWR).

Chow, A. T., K.K. Tanji, and S. Gao. 2003. Production of dissolved organic carbon (DOC) and trihalomethane (THM) precursor from peat soils. *Water Research* 37 (18):4475-4485.

Cohn, T.A., Caulder, D.L., Gilroy, E.J., Zynjuk, L.D. and Summers, R.M. 1992. The validity of a simple statistical model for estimating fluvial constituent loads—An empirical study involving nutrient loads entering Chesapeake Bay: *Water Resources Research*, v. 28, no. 9, p. 2353–2363.

Cohn, P. D., M. Cox, P.S. Berger. 1999. Health and aesthetic aspects of water quality, Chapter 2 in *Water Quality and Treatment, A Handbook of Community Water Supplies*, Fifth edition, McGraw Hill, New York.

Crawford, C.G. 1991. Estimation of suspended-sediment rating curves and mean suspended-sediment loads: *Journal of Hydrology*, v. 129, p. 331–348.

Deverel, S.J., and S. Rojstaczer. 1996. Subsidence of agricultural lands in the Sacramento-San Joaquin Delta, California: role of aqueous and gaseous carbon fluxes. *Water Resources Research* 32 (8):2359-2367.

DiGiorgio, C. 2003. Modeled impacts of Delta peat island drainage on organic carbon levels at selected Delta municipal water intakes. California Department of Water Resources (DWR).

Fleck, J.A., D.A. Bossio, and R. Fujii. 2004. Dissolved organic carbon and disinfection by-product precursor release from managed peat soils. *Journal of Environmental Quality* 33 (2):465-475.

- Fram, MS, R Fujii, JL Weishaar, B Bergamaschi, and GR Aiken. 1999. How DOC composition may explain the poor correlation between specific trihalomethane formation potential and specific UV absorbance. US Geological Society toxic substances hydrology program, vol. 2: contamination of hydrologic systems and related ecosystems. Paper read at Technical Meeting, May 8 to 12, 1999, at Charleston, South Carolina.
- Fujii, R, JA Ranalli, GR Aiken, and B Bergamaschi. 1998. Dissolved Organic Carbon Concentrations and Compositions, and Trihalomethane Formation Potentials in Waters from Agricultural Peat Soils, Sacramento-San Joaquin Delta, California: Implications for Drinking-Water Quality. Sacramento, California: US Geological Survey.
- Haggard, B.E., T.S. Soerens, W. R. Green, R. P. Richards. 2003. Using regression methods to estimate stream phosphorus loads at the Illinois River, Arkansas, Applied Engineering in Agriculture, Vol. 19(2): 187–194.
- Jassby, A. D., J. Cloern, and T. Powell. 1993. Organic carbon sources and sinks in San Francisco Bay: variability induced by river flow. Marine Ecology Progress Series 95:39-54.
- Jassby, Alan D., and James Cloern. 2000. Organic matter sources and rehabilitation of the Sacramento-San Joaquin Delta (California, USA). Aquatic Conservation: Marine and Freshwater Ecosystems 10:323-352.
- Jassby, Alan D., James Cloern, and Brian E. Cole. 2002. Annual primary production: patterns and mechanisms of change in a nutrient-rich tidal ecosystem. Limnology and Oceanography 47:698-712.
- Krasner, SW, JP Croue, J Buffle, and EM Perdue. 1996. Three approaches for characterization NOM: American Water Works Association.
- Müeller-Solger, AB, Alan D Jassby, and Mueller-Navarra DC. 2002. Nutritional quality of food resources for zooplankton (*Daphnia*) in a tidal freshwater system (Sacramento-San Joaquin River Delta). Limnology and Oceanography 47 (5):1468-1476.
- MWQI. 1998. Proposed Comprehensive Monitoring, Assessment, and Research Program for Drinking Water Quality, Task 3B; Element 2A - Water Quality, Delta Region; Sub-Element iii - Drinking Water Quality
- MWQI. 2003. Municipal Water Quality Investigations Program Summary and Findings from Data Collected August 1998 through September 2001.
- MWQI. 2005. Municipal Water Quality Investigations Program Summary and Findings from Data Collected October 2001 through September 2003. June.

- Natural Resources Conservation Service (NRCS). 2006. California Precipitation Data/Maps, available from <http://www.nrcg.nrcs.usda.gov/products/datasets/climate/data/precipitation-state/ca.html>, accessed April, 2006.
- Reckhow, DA, and PC Singer. 1990. Chlorination by-products in drinking waters: from formation potentials to finished water concentrations: American Water Works Association.
- Runkel, R.L., C. G. Crawford, and T. A. Cohn. 2004. Load Estimator (LOADEST): A FORTRAN Program for Estimating Constituent Loads in Streams and Rivers, USGS Techniques and Methods Book 4, Chapter A5.
- Saleh, DK, JL Domagalski, CR Kratzer, and DL Knifong. 2003. Organic carbon trends, loads, and yields to the Sacramento-San Joaquin Delta California, Water years 1980-2000: US Geological Survey Water Resources Investigation Report 03-4070.
- Schemel, L.E., M.H. Cox, S.W. Hager, and T. R. Sommer. 2002. Hydrology and chemistry of floodwaters in the Yolo Bypass, Sacramento River System, California, during 2000, USGS Water Resources Investigations Report 02-402.
- Sobczak, WV, James Cloern, Alan D Jassby, and AB Mueller-Solger. 2002. Bioavailability of organic matter in a highly disturbed estuary: the role of detrital and algal resources. *Proceedings of the National Academy of Sciences*, Vol. 99 (12):8101-8105.
- Sobczak, WV, James Cloern, Alan D Jassby, Brian E. Cole, TS Schraga, and A Arnsberh. 2004. Detritus fuels ecosystem metabolism but not metazoan food webs in San Francisco Estuary's freshwater delta. *Estuaries*.
- Stepanauskas, R., M. A. Moran, B. Bergamaschi, and J. Hollibaugh. 2003. Covariance of bacterioplankton composition and environmental variables in a temperate delta system. *Aquatic Microbial Ecology*, Vol. 31, pp. 85-98.
- Thurman, E.M. 1985. *Organic Geochemistry of Natural Waters*, Martinus Nijhoff/W. Junk Publishers, Dordrecht, 497 pp.
- United States Environmental Protection Agency (USEPA). 1998. National primary drinking water regulations, disinfectants and disinfection byproducts, final rule. 40 CFR parts 9,141, and 142. *Federal Register* 63 (241):69390-69476.
- United States Environmental Protection Agency (USEPA). 2001. The Stage 1 Disinfectants and Disinfection Byproducts Rule, EPA 816-R-01-014.

United States Environmental Protection Agency (USEPA). 2003. The Feasibility of Performing Cumulative Risk Assessments for Mixtures of Disinfection By-products in Drinking Water, EPA/600/R-03/051, Cincinnati, Ohio.

Weishaar, JL, GR Aiken, B Bergamaschi, MS Fram, R Fujii, and Kenneth Mopper. 2003. Evaluation of specific ultraviolet absorbance as an indicator of the chemical composition and reactivity of dissolved organic carbon. *Environmental Science & Technology*.

Wetzel, R.G. 2001. *Limnology: Lake and River Ecosystems*, Third Edition. Academic Press, San Diego, CA.

Woodard, R. 2000. Sources and magnitudes of water quality constituents of concern in drinking water supplies taken from the Sacramento-San Joaquin Delta. CALFED Technical Report.