

California Bay-Delta Authority
INDEPENDENT SCIENCE BOARD

Member Affiliations and Disclosures

Ken Cummins, Ph.D.

Senior Advisory Scientist, California Cooperative Fisheries Unit, and Adjunct Professor, Humboldt State University

Current Research & Activities

- “Freshwater Creek Aquatic Invertebrate Survey;” Pacific Lumber Company and the Redwood Community Action Agency, Eureka, CA
- Member, Science Advisory Board, U.S. Environmental Protection Agency
- Consultant to Stillwater Sciences, Arcata, CA office
- Participant in a US Forest Service project on invertebrate food for juvenile salmonids in the Copper River Delta, Cordova, Alaska

David Freyberg, Ph.D.

Associate Professor, Department of Civil & Environmental Engineering, Stanford University

Currently sits on the Environmental Water Account Review Panel. No other affiliations or disclosures to report at this time.

Helen Ingram, Ph.D.

Professor of Social Ecology, University of California, Irvine

No direct conflicts of interest to report at this time. Currently working with graduate students that have not yet, but may, apply for grants from California Bay-Delta Authority agencies. Recently received, along with a current graduate student, a grant from USGS that is unrelated to the [CBDA] program.

Jack Keller, Ph.D.

Principal, Keller-Bleisner Engineering, and Professor Emeritus, Utah State University

CBDA/CALFED Activity Disclosure Statement From Jack Keller:

“To the best of my knowledge and understanding none of my CBDA/CALFED activities represent a conflict of interest based on Dr. Johnnie Moore’s Conflict of Interest and Open Meeting Guidelines memo dated 24 August 2004 and the Draft document Science Program

Policy On Open Meetings And Conflict Of Interest For California Bay-Delta Authority Independent Science Board. The following statements provide a concise public disclosure of my CBDA/CALFED activities.

1. I act as a science and strategy adviser to the Water Management Suite of CBDA Program Elements, with a particular professional focus on Water Use Efficiency and the analysis of the potential of water conservation for meeting CALFED Goals. I am paid for consulting services and expenses directly related to my work but have no financial interest in any of the activities that are or could be a result of my recommendations. (However, one might argue that my recommendation could possibly involve additional effort on my part in order to better articulate them or possibly guide/review their outputs, etc.) I report to and am supervised by the CBDA Deputy Director for Water Management, Mr. Thomas Gohring.
2. I have also been appointed as the Interim Chair of the Water Management Science Board (WM-SB) and have been ask by Mr Gohring and Mr. Moore to play a leadership role in developing the Scope of Work for the Board and choosing the remaining 15 members for it. At this juncture we have a single candidate for four of the positions. Three of these are members of the ISB and the fourth candidate played a major role in the CALSIM II model review. All four of these have expressed a willingness to serve on the WM-SB. We have a top and alternate candidates for each of the other 10 positions. I have no close personal relationship or financial interest/connection with any of the 15 top candidates of the 10 alternate candidates. I will also be involved in developing the budget request for the WM-SB and chairing the first couple of Board meeting before it will be appropriate to have the Board elect the Chair.
3. I have provided advice to the Department of Water Resources as a reviewer of the Water Use Efficiency PSP and may be ask to serve in some capacity in reviewing the scientific merit of the responses to the PSP. However, I have no financial interest or connections to anyone I know of who might be submitting a response to the PSP. If someone I am affiliated with in any way should submit a response, I will decline reviewing that proposal.”

Jeff Koseff, Ph.D.

Professor of Environmental Fluid Mechanics in the Department of Civil and Environmental Engineering, Stanford University

Current Research & Activities

- Co-Investigator on CALFED Sponsored project (Stanford University Private Investigator is Stephen Monismith)
Title: *Shallow Open Water Habitats: Hydrodynamics and Benthic Grazing*
Paid Commitment: Two weeks of time during the academic year
- Collaborator CALFED Sponsored project (Stanford PI is Stephen Monismith)

Title: *Hydrodynamics and Oxygen Modeling of the Stockton Deep Water Ship Channel*

Paid Commitment: One month of summer during Year 2

Current Collaborators involved in Work on Bay-Delta

Stephen G. Monismith, *Stanford University* - Investigator on two CALFED grants and member of EWA

David L. Freyberg, *Stanford University* - Member of EWA and ISB

Barton H. Thompson, *Stanford University* - Member of EWA

Samuel Luoma, Ph.D. *Senior Research Hydrologist with the US Geological Survey*

Current CBDA-related activities:

1. From August 2000 until November 2003 I was Lead Scientist of the CALFED Bay-Delta program. This included involvement in every aspect of the program that had a technical (science) component. As independent Lead Scientist, I organized scientific discourse, helped set directions and advised management about science issues.
2. I am involved in many aspects of research on metal pollution issues in the San Francisco Bay-Delta, and have published about 100 articles on this and related subjects. I am presently working with USEPA on research related to developing selenium criteria at both the national and regional level. People who work with my project at USGS are involved in CALFED-supported research, but I do not directly supervise any CALFED-funded studies.

John Melack, Ph.D. *Professor, Donald Bren School of Environmental Science and Management, and Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara*

No affiliations or disclosures to report.

Jeff Mount, Ph.D.

Professor, Department of Geology, University of California, Davis

The following statement was submitted by Dr. Mount:

“I am involved with the following activities that may qualify for disclosure. I seek to avoid, wherever possible, the appearance of conflict of interest and welcome your suggestions.

1. I am an appointed Member of the California State Reclamation Board. The Reclamation Board oversees the management of the Sacramento and San Joaquin

Flood Control Projects in cooperation with the US Army Corps of Engineers. The Board has permitting authority over all activities that impact operations of these projects. For this reason, CALFED Programs have regular contact with the board. Reclamation Board and CBDA lawyers have confirmed that my role on the Board does not conflict with my duties on the Independent Science Board.

2. I am currently the Director of the University of California, Davis Center for Integrated Watershed Science and Management (Watershed Center). The Watershed Center was established five years ago to focus on applied research and monitoring in California watersheds, with an emphasis on working with government and stakeholder groups on large river restoration. The Watershed Center has multiple contracts with the CALFED Ecosystem Restoration Program and works closely with staff in that program. It is anticipated that the Watershed Center will continue to work with CALFED programs into the indefinite future. I do not receive personal compensation from these contracts, but they fund the research activities of my students and colleagues.
3. I have worked as a consultant to watershed groups, local agencies, and several non-profit groups principally on floodplain management and river restoration issues. At present, I am working with only one group, Action Pajaro Valley, on an effort to develop a flood management program for the Pajaro River. This group has no direct or indirect ties to CALFED programs.

This statement may be circulated or posted on the web, as you see fit.”

Denise Reed, Ph.D.

Professor, Department of Geology and Geophysics, University of New Orleans

Current Activities in California

Member, Editorial Board ‘San Francisco Estuary and Watershed Science’. Paid an annual honorarium.

Member, Ecosystem Restoration Program Science Board. Contract with the University of New Orleans.

Chair, Coastal Conservancy South Bay Salt Ponds National Science Panel. Paid an honorarium per meeting.

Member, Science Advisory Board for Santa Clara Valley Water District Pond A4 mitigation project. Contract with the University of New Orleans.

Member, UC Davis-DWR North Delta Science Panel. Paid an honorarium per meeting.

Robert Twiss, Ph.D.

Professor, Graduate Center for Environmental Design Research, University of California, Berkeley

The following statement was submitted by Dr. Twiss:

“I am involved with the following activities that may qualify for disclosure. In my view, they do not pose a problem with my carrying out the duties of the board, but through disclosure I may learn otherwise, and will be so advised.

1. I am a member of the US EPA Science Advisory Board (SAB), and receive compensation as a Special Government Employee. This board has limited oversight functions over all EPA science activities nationwide, including water quality and other factors related to the CBDA. While there are no CALFED-specific issues before the board at this time, it is very possible that issues may arise that would trigger disclosure and further attention. If the need arises, I will take care to raise such issues immediately.
2. My company, Geostage Inc. continues to carry out a contract with Alameda County, providing web-based GIS services for an open space plan. There is no CALFED funding involved to my knowledge, but the County is in the CALFED region.
3. I continue to serve as Faculty Principal Investigator for the Research Program in GIS and Environmental Planning (REGIS) at the University of California, Berkeley. This research program has received funding from state agencies that are CALFED partners. But as a Professor Emeritus, I have for the past two years received no compensation for this university service.”