

April 10, 2000

BAY-DELTA MODELING FORUM

MINUTES OF THE ANNUAL MEETING

(DRAFT COPY, UNTIL THESE MINUTES ARE APPROVED BY THE GENERAL MEMBERSHIP AT THE 2001 ANNUAL MEETING AT ASILOMAR. If anyone knows of changes that should be made please call George Nichol at (916) 255-3109, or e-mail to him at nicholg@rb5s.swrcb.ca.gov)

March 1, 2000

Asilomar, Pacific Grove, California

PLENARY SESSION

Welcome – By Spreck Rosekranz, Environmental Defense, Convenor.

I. STATUS OF PEER REVIEWS

1. **Status of Peer Review of 1-D Hydrodynamic / Salinity Models** – Prof. Sobey could not make the conference because of teaching conflicts, so Dr. Richard Denton of CCWD conferred with the professor and presented the status. There are five hydrodynamic models and four salinity transport models being reviewed. The four salinity models are (a) RMA Model; (b) Finite Element Model; (c) DSM-2 Model; and (d) Fisher Delta Model. These models are composed of the conservation of mass equation, the momentum equation, and the mass balance equation. A meeting will be held at the San Francisco Bay Institute on March 9 with the Forum's peer review committee, the modelers, and Prof. Sobey to take steps to conclude Phase 1 of the peer review.
2. **Presentation of Modeling Protocols Report** – It was announced that this document, produced by Forum members, had been accepted by the Steering Committee and was being presented to the entire body today as a Forum product. The great effort put forth by Rich Satkowski of the SWRCB and his report committee was acknowledged. This report should serve as a guide to all future modeling efforts by agencies, water districts, and their consultants so that a methodology and thoroughness can be achieved in the modeling arena.

3. **Status of Water Temperature Modeling Report** – Dr. Mike Deas of UCD gave a status report on water temperature modeling (this is a literature review of existing water temperature models, and not a peer review of any of the models). Mike reported on the data requirements needed for water temperature modeling, and where he thought water temperature modeling should be heading. The Forum has a four member review board working with Mike in this effort. The report should be finished about the end of the year, and will include the pros and cons of each of the models. During the question period it was asked what the time and space steps of such models should be. It was mentioned that Dr. John Williams, the Executive Director of the Forum, should be contacted if there are any further questions.
4. **Status of Biological Modeling Report** - Dr. John Williams reported on the status of this, since the UCD reviewer doing the work is temporarily in transit and taking up teaching duties at the Univ. of Wyoming. A review paper will result on the water temperature effects on salmon and steelhead. It was noted that biological modeling is behind physical modeling, and needs to be given more attention.

II. MODELING PROTOCOLS REPORT

Rich Satkowski began by discussing the Executive Summary of the Protocols Report, and had copies distributed. The main report is to appear on the Forum's web site next week for all to peruse. Rich mentioned that the Protocols report is a set of guidelines that can help to produce consistency and thoroughness in modeling efforts, but their use does not automatically give a stamp of approval to any modeling effort. They are voluntary to follow, but will be of some importance when one needs to defend his modeling efforts. The Protocols should be of interest to managers who need to know what their agencies modeling efforts need to include, and who need to make sure that enough money is budgeted to support the modelers through the entire modeling process (including final documentation).

Rich repeated a request that has been made to the Forum before, and that is that when an agency is using a model then that model, its documentation, and its data sets should (ideally) be made available for outside review (preferably on the web) before any decisions are made from that model. For a proprietary model, enough information must be made available to determine if the model as used is valid.

Rich went over the four types of methods that can give stakeholders and the public an early acquaintance of a model:

1. Public participation
2. Technical Advisory Committees
3. Shared Vision Modeling
4. Peer Review (which could consist of a one-day workshop up to a detailed review)

III. WORKSHOPS

Dr. Nigel Quinn, of LBL/UCB, the training officer of the Forum, announced that five workshops were held in 1999. These were (a) dam removal; (b) operation of upstream hydroelectric projects; (c) hydrodynamic modeling; (d) riparian vegetation and hydraulic conveyance; and (e) regional water planning. It was mentioned that the riparian vegetation and hydraulic conveyance workshop had approximately 175 attendees, and showed how the Forum's workshops are fulfilling a need in many modeling areas. If persons want to be given notice of upcoming workshops then they should subscribe to the Forum's listserver. Send an e-mail to Nigel on how to subscribe. The e-mail address for this is: bdmf@mplists.mp.usbr.gov

IV. EXECUTIVE DIRECTOR'S REPORT

John Williams, the Forum's Executive Director, stated that the Forum now has corporation status. Next we need the federal 501.3© status. John reported on some of the recent activities of the Forum:

The charges of the annual meeting were increased, to cover its costs.

The USFWS paid the Forum \$1,000 to help fund the riparian vegetation and hydraulic conveyance workshop.

- c. The Forum helped CALFED in the instream flow workshop of Clear Creek.
- d. The Forum helped the SWRCB in determining instream flow needs.

John mentioned that the Forum needs to increase its income, as he is putting in only about 2/3 of the amount of time he should be putting in, in order to keep costs down (that is, he is working about 1/4 of full time rather than the 1/3 of full time that was originally envisioned as being needed). John showed bar charts of money from organization dues, and income vs expenses. He stated that there are now 20 institutional members and 55-60 individual members.

BUSINESS MEETING

HANDOUTS:

Cash Flow Statement covering July 1, 1999 – Dec. 31, 1999.

Proposal to change the name of the Bay-Delta Modeling Forum to the California Water Modeling Forum.

List of institutional members of the Forum.

MOTIONS PASSED:

1. Steering Committee is to discuss the pros and cons of a Forum name change and expansion in coverage to the entire state, and if a consensus is reached on such a change to bring back the recommendations to the general committee.
 2. A new dues tiered structure was accepted. The Steering Committee is to set the costs for each of the tiers of the dues.
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1. **Opening** - The meeting was called to order, and a quorum declared.
 2. **Secretary's Report** – The minutes from the 1998 annual meeting were approved.
 3. **Treasurer's Report** – A Cash Flows Statement was handed out, showing that there is \$41,000 in the general fund, \$615 in the Hugo Fisher Award fund, \$53,887 in the peer review fund, with the total treasury being \$95,838.
 4. **Forum Name Change Considerations** - Rich Satkowski made this presentation. The topic had been discussed in some detail at a previous Steering Committee meeting, and was recommended for presentation to the entire membership at Asilomar. Rich stated that recent workshops had drawn interest and attendance from persons outside of the Bay-Delta and Central Valley areas, often because the topic was applicable statewide. The discussion was opened up to the floor, and the following comments and questions ensued:
 - a. Is another state modeling organization already handling the larger geographical area?
 - b. What would be the cost of the paperwork to increase the geographical size?
 - c. People already know who we are: a change now would confuse the agencies that we are serving.
 - d. Being statewide would widen our focus on environmental matters
 - e. The Forum is engineering heavy and biological light: how would this be viewed statewide?

- f. Names of California Water Modeling Forum, California Water and Environmental Forum, Modeling Forum, were suggested.
- g. What do the institutional members say?
- h. Are we prepared to grow this fast? This may move us into the growing areas of TMDLs', wastewater outfalls, etc.
- i. We would have to have some our Steering Committee meetings in Southern California.
- j. Our Bay-Delta focus already puts us into Southern California, such as when Shasta releases go to Southern California.
- k. Don't put the work "environmental" into our name, because that would include air.
- l. The Forum was originally formed to address the Bay-Delta problems, and there are enough problems there to keep this as our only focus.

It was mentioned that perhaps we should not change the name at this time, but possibly empower the Steering Committee to change it at a later date. Lenore Thomas of the USBR made a motion to have the Steering Committee come to a consensus on a name change as well as an expansion of geographical coverage, and bring back a recommendation to the general committee. It was mentioned that a general membership committee meeting can be held during the year if needed. Lenore's motion was seconded and passed.

- 5. **By-Laws Change** - The topic of a By-Laws change for a new dues structure was discussed and presented as a motion. The Executive Director mentioned that the need for such a change was discussed three times at Steering Committee meetings, and the suggested change had been approved by the Forum's auditors. The Steering Committee will set the dues. The motion was seconded and passed unanimously.
- 6. **Election of Officers** – An election was held. The Convenor nominating committee of Spreck Rosekranz, Richard Denton, and Rich Satkowski put forth Rob Tull's name to be the Convenor, Lenore Thomas to be the Vice-Convenor, Margaret Johnston to be the Treasurer, and George Nichol to be the Secretary. A motion was made to select these persons as the new or continuing officers, and passed unanimously. Spreck will now become the Past Convenor.

The need for Steering Committee members for the upcoming year was discussed. The Convenor said he will be contacting prospective candidates to fill in or continue their positions in this capacity. Bill Johnston mentioned he knew of someone from a water district who could be on the Water Users committee.

- 7. **Other Business** - The carriage water issue is coming up with the SWRCB in March. Spreck will follow this up with a carriage water workshop. The next steering committee meeting is to be held on June 9 at 0930, possibly at the USBR building in Sacramento.
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ATTENDANCE (57 attendees)

Rich Satkowski	SWRCB
Rob Tull	CH2M-Hill
Cindy Lowney	UC Davis
Mike Deas	UC Davis
Peter Standish-Lee	URSG Woodward-Clyde
Henry Wong	USBR
Jay Lund	UC Davis
Andy Draper	UC Davis
Tara Smith	DWR
Hari Rajbhandari	DWR
Mimi Jenkins	UC Davis
Marianne Guerin	LBNL
Rick Oltmann	USGS
Pete Smith	USGS
Susan Paulsen	Flow Science
Larry Smith	USGS
Tariq Kadir	DWR
Randy Brown	DWR
Tirath Pal Sandher	DWR
George Barnes	DWR
Zhimin Lu	CVRWQCB
Sushil Arora	DWR
Ralph Finch	CALFED
Nicky Sandu	DWR
Clint Alexander	ESSA Technologies Ltd., Vancouver, BC
Paul Higgins	BC Hydro
Kenneth Kirby	Saracino-Kirby, Inc.
Nigel Quinn	LBNL/UCB
Richard Denton	CCWD
John Headlee	Corps of Engineers
Lenore Thomas	USBR
George Nichol	CVRWQCB
Dan Castleberry	USFWS
Pete Rhoads	MWDSC
Peter Baker	Stillwater Sciences
John O'Brien	Stillwater Sciences
Hubert Morel-Seytoux	Hydrology Days Publications
John Dracup	UCLA/Civil & Envir. Engr. Dept.
Levi Brekke	UCLA/Civil & Envir. Engr. Dept.
Maurice Roos	DWR

John Bartholow	USGS
Dave Robinson	USBR
Lloyd Hess	USBR
Ken Newman	STATISTICS/Univ. of Idaho
Judy Zavadil	EBMUD
Erwin Van Nieuwenhuysse	USFWS/AFRP
Raymond G. Schaffter	CDFG
Russ Gartz	CDFG
Tom Taylor	Entrix
Geoff Schladow	UC Davis
Ray Krone	UC Davis
Richard Rachielle	Resource Mgt. Assoc. (RMA)
John DeGeorge	Resource Mgt. Assoc. (RMA)
Robert Leaf	Surface Water Resources, Inc.
William R. Johnston	Modesto I.D.
Stephen Blake	UC Davis
Ryan Wilbur	DWR
George Matanga	DWR

Respectfully Submitted
George Nichol, PhD, PE
Secretary, BDMF