

Jan. 14, 2004

CALIFORNIA WATER AND ENVIRONMENTAL MODELING FORUM

Draft
MINUTES OF THE STEERING COMMITTEE

For November 20, 2003

(This meeting was held at the Contra Costa Water District in Concord.)

I. SUMMARY

A. ACTION ITEMS

- Asilomar Facilitator List – Rich will get together by Dec. 15
- Fischer Award Nomination forms – Rich will send out in early Dec.
- Annual Meeting – Lots of Action Items – see Item II.5 below.

- B. MOTIONS PASSED OR TABLED** – A motion was made and passed on raising the Asilomar participation fees.

C. REFERENCES HANDED OUT

1. Executive Directors Report
 2. Draft CWEMF Officer Duties
 3. Draft Annual Asilomar Meeting Schedule
 4. Table of Asilomar Annual Meeting Suggested Topics
 5. Upcoming Technical Workshops
 6. Prioritization of Executive Director's Tasks for Coming Year.
 7. Copy of Letter from Forum to California Department of Water Resources
 8. Agenda for Workshop on Climate Change and its Impact on Water Supply and Water Quality in California
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II. MINUTES

- 1. INTRODUCTIONS AND WELCOME** – The meeting was opened with 8 persons in attendance, and 5 proxies held. A quorum was declared.

- 2. SECRETARY'S REPORT** – The minutes of the last meeting were unanimously approved.

3. **EXECUTIVE DIRECTOR'S (ED) REPORT** – The ED handed out most of the references above. Items discussed were fund-raising, an on-line account, and prioritization of his duties. The possible opportunity of helping on the five-ten year California Water Plan was discussed. There has been increased visitation to our web site. Tara will give Rich the DSM-2 email lists. Much of the other discussion related to the items below, so they were added to the minutes there for consistency.

4. **ADMINISTRATION ITEMS**

- a. **Bylaws** – Should we amend the bylaws to require an audit of the books? Non-profit organizations are required to only have an internal audit. Lisa will keep our financial records in a binder. We postponed the discussion of the Treasurer's duties until the next meeting.
- b. **Asilomar Presentation Evaluation and Facilitator Guidelines** – Lisa has distributed the edited copies. Be prepared to discuss these at the next meeting, especially as the annual meeting is drawing near.

5. **ANNUAL MEETING** – The annual meeting will run over three days, most likely starting at noon on Tuesday and running to noon on Thursday. The number of parallel sessions was discussed. If there are only two parallel session, bigger rooms will be needed (the bigger rooms are available). The possibility of having both two and three parallel sessions at different hours was discussed, to accommodate the number of sessions we want.

Rich will get the Facilitator list together by December 15, so the Facilitators can start getting their speakers organized. Rich will also get the registration material together on the web site. Next week Rich will send out the Fischer Award nomination forms.

The raising of fees for Asilomar was discussed. Member fees for those staying on-site would be \$180, with a \$50 late fee. Member fees for those staying off-site would be \$205, with a \$50 late fee. A vote was taken on raising the fees and was passed unanimously.

The possibility of scholarships for students was discussed. Housing is a big fee for the students. The Monterey Hostel is \$20, and students could potentially stay there. Hubert says the Hostel has suitable accommodations.

The reference table (Reference # 4 above) on Annual Meeting Suggested Topics was discussed, with the following results:

ENGINEERING-ORIENTED SESSIONS:

- (1) **Water Transfers Session** – Yes. Rob will talk to Armin.
- (2) **Real Time Forecasting & MWQI Real Time Model for California Aqueduct** – Yes. Paul Hutton agreed. State Water Contractors plus DWR. Nigel will talk to Paul on the possibility on adding DHI.
- (3) **Calif. Water Plan and Demand/Supply Modeling** – Yes. Second topic could be a separate session. Rich to ask Jay on second topic.

- (4) **CALSIM II** - Yes. Link with GIS. Lloyd will coordinate with Sushil.
- (5) **Multi-Dimensional Modeling** – Yes. Chris already has 5 speakers. Use for a 2-hour longer session, or have a smaller emphasis (not to include Colorado River modeling?). May be enough for two sessions. K.T. would like to have a presentation here too. Multi-dimensions means 1D, 2D, 3D, and combinations thereof. Hubert mentioned the need for discussion of accuracy of results.
- (6) **Groundwater** – Yes. IGSM-2, User interface, DHI's MIKE-SHE.
- (7) **Risk and Uncertainty** – Yes. Lloyd will ask Levi Lecke of USBR to be involved. (Doherty will not be in the U.S. during Asilomar: he is coming in April.)
- (8) **DWR/USBR Allocations, USBR Operations and Planning, & Carriage Water Impacts** – Combine these with (g) above? Yes. Lloyd says CH2M-Hill had done allocations for USBR. Rob says yes. Great for consultants. Two sessions? Yes.
- (9) **DWR Delta Modeling, DSM-2** – Yes. Put ANN in with CALSIM. Put REALM in with multidimensional modeling.
- (10) **Russian/Eel/Klamath River Modeling** – Yes. Mike Deas to lead. Rich to call Mike. Mike has a talk on Klamath. Lloyd/USBR has several speakers for another session. Add separate session of Lloyd/USBR.
- (11) **San Joaquin River** – Walt will lead.
- (12) **Smaller Time Step Modeling** – Put under USBR's planning session.
- (13) **Ag Drainage** – Yes. Lisa on Rock Slough. Don't lump with ag drainage. Will this result in too many sessions? Lump with Delta water quality and carriage water?

BIOLOGICAL-ORIENTED SESSIONS:

- (1) **Eldridge Morrow Evening Speaker** – Yes.
- (2) **Hetch-Hetchy Valley Restoration & Salton Sea Restoration** – Yes. Spreck.
- (3) **Temperature Modeling** – Yes. Cindy lead.
- (4) **Recovery Science Review Panel** – No. But John will do salmon session.
- (5) **Fish Life History Modeling** – Yes. Zack lead.
- (6) **Geomorphic Modeling** – Yes. Would Phil lead, or his associates. Try for Chris Bowles in Phil's Sacramento office. (Could use USGS on Yuba River, if need speaker: has HSPF watershed model applications)
- (7) **Estuarine Ecology Team on USGS Modeling** – Taken over by Zack. Add to Zack's above (#5).
- (8) **Wetlands Modeling** – Nigel to lead.
- (9) **Biological Modeling** – John will do: see (4) above
- (10) **Conflicts between WQ and Ecosystem Goals in the Delta** – No.

BOTH-NEITHER SESSIONS:

- (1) and (2) **History of Water Modeling/CWEMF History, and CWEMF Over The Next Ten Years** – Combine these together and possibly have in the plenary session. 10 past + 10 future: have as a fun session. Austin, Jay, Lyle, Greg, others. Have this facilitated, and draw out ideas for the next ten years. (Or, have the history in the evening, and the future during the general session?)
- (3) **Economic Modeling** – Yes, Roy H. or Wendy H.
- (4) **LANDSAT Remote Sensing** – Nigel to check with Jeff Milliken. Remote sensing is important. Will Jeff organize? Nigel check. Possibly with USBR.

- (5) **TMDL** – Stockton D.O.? Hold until regular TMDL workshop is organized.
- (6) **CALFED Update** – Have in plenary session/evening session.
- (7) **Legal/Water Rights** – ? Joe Sax. Hold. How water rights are being used in some of the model runs is a potential topic.
- (8) **Model Integration** – Talk or session? Combining legal, economic, physical, in math modeling. Surface or groundwater? Tara will check. Hubert is interested. Optimization?
- (9) **CalAg** – This topic could go into the economics session.

MEETINGS/MISC SESSIONS:

- (3) **Poster Session** – Mike Deas. Use Chapel side areas. Mike reserved six poster boards, at about \$60-70 each, as a contribution for us. Each poster board can hold four posters, so we can have up to 24 posters. Rich to send notice requesting nominees. Can bring your own tripod if desired. Keep the poster session separate from the plenary session.
- (4) and (5) **CWP and Guiding Principles** – Combine? Cover modeling aspects. Have as a meeting, rather than as a session? We could also have model protocols meeting or instream flow protocols meeting.
- (7) **Model User Groups** - No IGSM model user group meeting is needed at this time.
- (9) **Fischer Award Winners and CWEMF Convenors** – Consider introducing previous Winners and Convenors. (Rich to get in touch with them?)
- (10) **Pop Up Talks** – These can be at the discretion of the Facilitators.

6. TECHNICAL WORKSHOPS –

- a. **IGSM– 2** - An IGSM-2 Workshop is coming up in December, by Nigel. There will be two different workshops: a 4-day and a 1-day. The last day will be an update. New code and a GUI will be discussed.
- b. **CALSIM II** – Note: The last workshop had eight no-shows, while other people were waiting to take the class. So be careful when signing up for classes with limited seating that you really can go, or let the facilitator know as soon as possible if you are going to be a no-show.
- c. **Climate Change Workshop** - Will be held on Nov. 21 at Healds College in Concord. See the handout agenda.

7. MODEL USER GROUPS

Nigel proposed starting a model users group for DHI's MIKE models, as they are being used with increasing frequency by wetland restoration and geomorphic modelers in California. The DHI is a non-profit group. Some discussion ensued. Pros and cons were discussed. A positive aspect was that we would bring more modeling knowledge into the Forum's modeling toolbox, while a negative aspect was that the DHI models are proprietary. It was mentioned that if a peer review had to be done on a DHI model the reviewers could probably get the code. Generally the response was favorable for Nigel to move ahead with this user group. The thought is that we are not endorsing the DHI models at this point in time, as we have not peer-reviewed them, but that what we are doing is supporting a User's Group that will provide knowledge about the use of these models.

8. **PEER REVIEW** – No discussion at this time.

9. **OTHER BUSINESS** – Will we be starting a CALSIM User's Group with Sushil?

10. **NEXT MEETING DATE** – Next meeting is Jan. 16, 2004 at Sacramento.

Respectfully Submitted
George Nichol, Secretary, CWEMF

ATTENDANCE

Nigel Quinn

Rich Satkowski

K.T. Shum

Lisa Holm

George Nichol

Tara Smith

Rob Tull

Lloyd Peterson

Hubert Morel-Seytoux

Mike Deas

Convenor, LBNL/USBR
Executive Director, SWRCB
EBMUD, Vice-Convenor
Treasurer, CCWD
Secretary, SWRCB
DWR
CH2M-Hill
USBR
Hydroprose
Watercourse Engineers

Proxies: Headlee, Williams, Hamilton, Baker, Vorster