

August 13, 2002

CALIFORNIA WATER AND ENVIRONMENT MODELING FORUM
(formerly BAY-DELTA MODELING FORUM)

Draft
MINUTES OF THE STEERING COMMITTEE

For July 19, 2002

(This meeting was held at the U.S. Bureau of Reclamation Office in Sacramento.)

I. SUMMARY

A. ACTION ITEMS.

- Asilomar Poster Session – An email will be sent out to the Forum’s membership to see who would be interested in presenting posters at Asilomar.
- Klamath/Trinity Rivers Presentation at Asilomar – Mike Deas will continue checking his contacts on this potential session. Nigel will check on a potential GIS presentation.
- Model Toolbox/Paradox Presentation at Asilomar – Peter Baker will check into a potential presentation on Paradox.
- Statistics Session at Asilomar – Peter Baker will check into the possibility of having this as a training session.
- 1-D Hydrodynamic Peer Review – Richard Denton will form a committee to review the possibility of a Phase 2 review.

B. MOTIONS PASSED OR TABLED

- None this meeting.

C. REFERENCES HANDED OUT

- Executive Director’s Report

II. MINUTES

1. INTRODUCTIONS AND WELCOME – The meeting was called to order at 9:30 AM. Eleven members present, and 5 proxies held. A quorum was declared.

2. SECRETARY’S REPORT – The minutes of May 17, 2002 passed unanimously.

3. EXECUTIVE DIRECTOR’S REPORT – There is a current balance of \$38,803 in the General Fund. There is \$7,475 in the Peer Review Fund, with an additional amount of \$5,000

just received from CCWD (to be used as matching funds). *(Other comments made by the Executive Director are woven into the discussions below, to keep the information together.)*

4. **STEERING COMMITTEE RECRUITING** – Topic postponed.

5. **ASILOMAR PLANNING** –

a. **Joint Meeting** – Great News! The Interagency Ecological Program (IEP) will be having their annual session at Asilomar after all, on Wednesday, Thursday, and Friday. So we will again have our joint meeting and gain from the co-mingling of biologists, modelers, water resource engineers and managers, and other disciplines.

b. **Poster Session** - For our Forum's session, the possibility of having a poster session was discussed. An email will be sent to our membership to see how many would be interested in presenting posters. Hopefully, we could share some easels with IEP (who has the easels). Any poster session would be held on Tuesday evening.

c. **Ideas For Possible Sessions** -

(1) **MIKE-SHE** - Danish Hydraulic Institute (DHI) may give a one-half day workshop on the watershed math model MIKE-SHE. Nigel is negotiating this possibility with them now. Have on Thursday morning? Get users to make the presentations. Show applications. Is there a proprietary issue?

(2) **KLAMATH/TRINITY RIVERS** - Should we lump these into one session? Mike Deas will check. Nigel will check on the availability of a past GIS presentation on the Klamath River. The USBR has a lady doing a model on the river: can she give a presentation to us? Mike Deas will continue checking his contacts for presentations on these rivers. We want a complete session on this, with 3-4 talks. See if the USBR can come for this.

(3) **POSTER SESSION** - Possibly on Tuesday night. An email will be sent to Forum membership to see who would like to present posters.

(4) **BIOLOGY FOR ENGINEERS, MODELING FOR BIOLOGISTS, HYDROLOGY FOR BIOLOGISTS** - Mike Deas is checking into the modeling aspects of this. Include biological modeling.

(5) **MODELING TOOL-BOXES** -

a. **General** - Have one session presenting the theoretical tool-boxes available to modelers and related scientists. Possibly present the following topics.

b. **MATH-LAB** - Present what "Mathlab" contains.

c. **PARADOX** - Peter Baker will check on PARADOX.

d. **STELLA** - Describe how models are built up from this.

e. **Other** - Describe what other "tool-boxes" are available to modelers.

(6) **POPULATION MODELING: THEORY AND PRACTICE** - John Williams and Peter Baker possibly work on this as a session.

(7) **STATISTICS FOR BIOLOGISTS** - Have this as a full training session. Peter Baker will check. Include the new approaches to more meaningful statistics.

(8) **STATISTICS FOR DROUGHT SCENARIOS** -

(9) **GAMING** - Have a workshop with stakeholders? Have Russ Brown involved. Have cross-cutting between the Forum and IEP. Have a couple of gaming talks. Present experiences with gaming models. Give the biological basis for (Environmental Water Account?) decisions.

(10) **DSM-2** - Tara will be the point on this.

(11) **SAN JOAQUIN RIVER DISSOLVED OXYGEN MODELING** - Nigel will be the point on this. (DSM-2, SYSTEC, and Hydroqual and Stanford future model efforts?)

(12) **SAN JOAQUIN VALLEY SALINITY DRAINAGE AND TMDL** - Cover both the drainage and the modeling aspects. Walter Burea will lead.

(13) **SAN JOAQUIN RIVER RESTORATION** - Coordinate with IEP.

(14) **DELTA CROSS CHANNEL / THROUGH-DELTA FACILITY** - Have a session? Describe the modeling efforts. Involve John Burau, Tara, and Ralph Finch. Talk about Delta re-circulation instead?

(15) **CLIMATE CHANGE** - Nigel will do. Have a session. Combine with paleohydrology.

6. WORKSHOPS –

a. **Instream Flow Workshop** – ABAG and CALFED have completed their contractual agreement and so our workshop can now move forward too. This will be for gaged and ungaged streams.

b. **Dam Removal** – This is still a potential workshop.

c. **Watershed Modeling** – This workshop is tentatively set for October.

d. **Geomorphic Modeling** – Still tentative.

e. **IGSM** – The model and its recent peer review activities will be built into a workshop, possibly held toward the end of August. Peer review questions have been used to test the code.

f. **Salinity Outflow Modeling with CALSIM II** – Salinity issues of DWR and CCWD within CALSIM II are a potential workshop. Identify the key issues to be presented. Richard Denton will check.

7. PEER REVIEW –

a. **IGSM Peer Review** – This has come along well, with DWR and USBR involved. Tariq has done the documentation. Test problems were submitted to test the code. The drainage and boundary conditions were tested. Will start using a daily time step. IGSM is being used in the San Joaquin Valley and Salinas Valley. There has already been one workshop. The IGSM review has been an open process. The model has received support from some prior critics. Tariq will be addressing more issues this summer. The final report is out. A request was made to have an official version of the model released, by this August. The CD will be coming out. But still have the workshop.

b. **Continuation of 1-D Hydrodynamic Review** – The continuation into Phase 2 of the review was discussed. A committee is being formed up by Richard Denton to review this possibility.

c. **Stockton Dissolved Oxygen Models** – These models are now being reviewed by Steve Chapra et al (all external reviewers) for the San Joaquin River Dissolved Oxygen TMDL work.

d. **Modeling Processes** – Mike Deas mentioned the possibility of doing a peer review of model processes (i.e. internal processes that many models use in common.)

8. **Web site** – It is assumed that Kevin Long is still volunteering to post items on the web, but we have to arrange to take this over soon. John Williams is updating the abstracts from last year's Asilomar session, and will post these on the web.

9. Other Business –

a. **Executive Director Selection Committee** – Rob Tull volunteered to serve on the selection committee, along with those volunteering at the last meeting. This position should take about 20-30% of one's time. The idea came up whether this position could be housed within the John Muir Institute, or the UCD Center for the Environment.

b. **Next Meeting** - The next meeting is August 23, at CCWD, from 0930-1200.

10. **ADJOURN** – Adjourn at 12:30 PM.

Respectfully submitted,
George Nichol, Secretary, CWEMF

ATTENDANCE

Nigel Quinn
John Williams
Lloyd Peterson

Convenor, LBNL/USBR
Executive Director
USBR

George Nichol
Richard Denton
Mike Deas
Tara Smith
Peter Baker
Rob Toll
Rob Leaf
Mike Read

Proxies Held:
Hubert Morel Seytoux
K.T. Shum
Jay Lund
John Headlee
Andy Hamilton

Secretary, SWRCB
CCWD
Watercourse
DWR
Stillwater Sciences
CH2M-Hill
CH2M-Hill
CH2M-Hill

Hydroprose
EBMUD
UC Davis
USACE
USFWS