

October 18, 2004

CALIFORNIA WATER AND ENVIRONMENTAL MODELING FORUM

Draft  
MINUTES OF THE STEERING COMMITTEE

For September 17, 2004

(This meeting was held at the DFG Yolo Basin Wildlife HQ in Davis.)

I. SUMMARY

A. ACTION ITEMS

1. **Evaluation Forms from ESA Workshop** – Rich will put this form onto the CWEMF web site.
2. **Modeling Clearinghouses** – Mike and Nigel will check and see if the UC ICE and CVPIA have modeling clearinghouses, and how they maintain them.
3. **New CWEMF brochure** – Rich is having this printed.
4. **Poster** – Rich is having a CWEMF poster made for the CALFED Science Conference
5. **MIKE Models Users Group** – Nigel will prepare an agenda for the Oct. 29 user group meeting.
6. **CALSIM User Group Minutes** – Tara will send Rich the web address for the past user group meeting, and Rich will put the link on the CWEMF website.

B. MOTIONS PASSED OR TABLED – None.

C. REFERENCES HANDED OUT

1. Executive Directors Report
  2. 2004 Asilomar Agenda, as an example
  3. CWEMF Web home page
  4. Proposed new CWEMF brochure
  5. Table of Suggested Asilomar 2005 Topics
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II. MINUTES

1. **INTRODUCTIONS AND WELCOME** – The meeting was opened with 11 persons in attendance, and 4 proxies held. A quorum was declared.

2. **SECRETARY'S REPORT** – The minutes for the July 30, 2004 meeting were approved.

3. **TREASURER'S REPORT** – Lisa is re-creating the financial files on Excel, for the past two years.

4. **EXECUTIVE DIRECTORS REPORT** –

a. **Technical Workshops** – Rich attended the Long-Term Modeling Workshop and the ESA Recovery Workshop. The Long-Term Workshop turned out well, and had top speakers present. The ESA Workshop also worked out well, and had workshop evaluation forms that most liked. Rich will put this form on the website. This ESA workshop had about 50 people, and they indicated they received notice of the workshop from the following sources: (1) one-third of attendees from CWEMF email announcement; (2) one-third from CWEMF emails that were then forwarded to others; and (3) about 20% from CWEMF co-workers who were told of the meeting. There was a wide mix of attendees at the ESA Workshop, and many were new people.

b. **Website** – Rich renewed the website contract until 2010.

c. **Groundwater Clearinghouse** – Lots of the information that Matt Zidar has in his database is automated. There were still a lot of questions regarding how we might participate in such a clearinghouse, such as who pays, who does peer-reviews, how do you keep up with code changes, liability, maintenance, who else has implemented, etc. The UC ICE has something similar, so can we cross-link? Can we get it as an interim? Mike Deas said he possibly has a contact to UC ICE, and will check on what they have in the way of a clearinghouse. Nigel volunteered to help Mike. The CVPIA PEIS Analytical tools has something possibly, too. There the onus is on the author to keep things up to date.

d. **New Brochure** – Rich is making a new CWEMF brochure so as to be available in time for the CALFED Science Conference. The cost is about \$1,000-1,500 for set-up, and \$0.75 per copy. Rich asked for input from anyone, to be submitted by next Wednesday. K.T. has already submitted an edited version, and Rich will email this around for the review. Rich plans to print 2,000 copies. A poster is also being prepared for the CALFED Science Conference.

5. **2005 ANNUAL MEETING** –

a. **Meeting Date** – Rich has contacted Chuck Armor of IEP. Having a joint meeting with overlap appears to be OK with IEP so far, but further checking is being done. The IEP prefers not to have overlap in the biological area. The IEP may change their annual meeting date, however, because the American Fishery Society is having their annual meeting at the end of February. So the IEP may move to early February for their annual meeting. The question arose as to whether we wanted to move the Forum's annual meeting date to early February, also, so we can still meet jointly with IEP. After some discussion it was the feeling of the Steering Committee that we should stay with our own date we have already selected for late February or early March, as there is no firm date yet set by IEP. Our use of the chapel for two nights depends upon whether IEP is at Asilomar.

b. **Potential Topics** - Rich has prepared a table of suggested topics for the meeting, based upon items of current interest in the State. Do we have a meeting theme for this year? We should have a call-for-papers, as it may bring in new information from others as well as present the chance to include all who want to speak. Mike Deas volunteered to

sponsor the easels for the poster session again this year. Some brain-storming occurred for these and potential additional topics, with the results as follows:

- Upper Jones Tract – Tara will check.
- Upper San Joaquin River topics
- Stockton Dissolved Oxygen TMDL (Nigel will talk to Stringfellow to see if he is interested.)
- Water Law – Virginia Cahill, or Sax, or technical aspects of Sax’s report. Rich will check.
- Have a technical session that supports an evening speaker
- Texas Operations Models (possibly an evening session). Rich will ask Joy
- History of California Water – Norris Huntley
- Integrated Storage Investigations for many reservoirs
- Update on Frank’s Tract modeling
- Delta Recirculation experience
- Fish-related modeling
- Shorter Time-Steps Modeling – Of interest to environmental agencies. Applies to Thermalito Afterbay, FERC relicensing. 2-D models are used for FERC, but are they calibrated? American Fishery Society uses modeling where the time step is very important.
- Delta Improvement Package
- Implementation of TMDLs – George will check.
- Hetch-Hetchy (Rich will contact Spreck)
- Friant Dam Operation
- Long-Term Modeling Strategy – Have planning session? K.T. will check with Jay
- Water Transfers (Will Rob do?)
- Colorado River – Salton Sea Restoration (Will Hubert do? Or Imperial Irrigation District?)
- Conflicts between TMDLs
- Decision Support Tools being used at Chesapeake Bay and other sensitive environmental locations.
- R.T. Forecasting – Tie in to another session
- Drinking Water Quality (Lisa, maybe)
- Demand Supply Modeling (K.T. will check with Jay)
- CALSIM II – (Lloyd one session, and DWR another session)
- Multi-dimensional modeling – Tara will see if anyone is available to present
- Groundwater and IGSM Model (Tariq)
- Risk & Uncertainty (Levi Brekke)
- Project Allocations with CALSIM/Carriage Water Impacts – Chet or Paul or Joel for speakers, not session head. Now in Excel. Contact Curtis and Paul Fujitani.
- Carriage Water - No
- DWR Delta Modeling – Tara will do a DSM2. Put ANN with CALSIM. Levi Breke has used correlations. Multiple regressions has worked.

- North Coast Modeling – skip for now.
- San Joaquin River/Delta Improvement Package – Not for Asilomar. Paul thinks do as a workshop, or possibly at Asilomar. Paul will chair, Nigel will help. Keep upstream of Vernalis. Have flyer for the future Delta Improvements Package workshop.
- Small Time-Step Modeling – Put with the other Derek topic.
- Ag Drainage – Lea will look into Rock Slough, and Lisa will check into irrigated agriculture.
- Wetlands and Flood Plain – Nigel will check
- Water Temperature Modeling – Mike
- Recovery Science Review Panel – We can't do this without IEP, so postpone for now.
- Fish Life History Modeling – Tara will check
- Geomorphic modeling –
- Biological/CUWA/Chinook- Tara will check
- Conflicts between water quality and ecosystems – Lisa will check
- Climate Change – Nigel will check with Levi
- Economic Modeling – Rich will check with Roy Hoagland
- LANDSAT – Nigel will check
- IEP Updates - Rich will check.
- CALFED Updates – Rich will check.
- California Water Plan Updates – Kamyar
- Model Integration – K.T. will check with Jay and Rob
- CALAG – part of another session
- QA/QC – George, Nigel and John Fields of USBR?
- Delta Cross-Channel – Lisa will check.
- Common Assumptions for Integrated Storage Investigations – Tara
- Possible Theme – Triennial Review of Cross Channel. Lots of the topics relate to it.

6. **TECHNICAL WORKSHOPS** – Some of the topics discussed above may evolve into later workshops. Additional workshop discussions are as follow.

- a. **Analytical Tools Workshop** – Let's hold off our next workshop on this topic until we get back the results from the recent one.
- b. **CEQA** – K.T. will check on whether this might be held at Asilomar.

7. **MODEL USER GROUPS** –

- a. **DSM-2** – Tara says this is going well.
- b. **MIKE Models** – A group meeting will be held Oct. 29 at Jones and Stokes. Nigel will put together an agenda. Jesper (formerly of DHI) will lead the meeting.
- c. **CALSIM** – Met this week. Had presentations. The minutes of the meeting are on DWR's website. Tara will send Rich the web address of this, and Rich will put a link to them on our CWEMF website.

8. **PEER REVIEW** – We should think about putting out an RFP for a peer review. Perhaps a review of the new IGSM, or a review of Hydrosphere. Perhaps the review could run each of these two models against each other. Another potential review discussed previously was on the Stockton D.O. models. There was discussion on the Forum putting up \$20,000, and asking for matching funds from an organization(s) that would benefit from such a review.

9. **WEBSITE ENHANCEMENTS** – A hard copy of the home page of the CWEMF website was distributed.

10. **OTHER BUSINESS** – None

11. **NEXT MEETING** – Nov. 19, starting at 9:30 AM. It will possibly be in Davis at DFG's Yolo Basin Wildlife HQ.

12. **ADJOURN** – 12:30 PM

Respectfully Submitted  
George Nichol, Secretary, CWEMF

ATTENDANCE

Nigel Quinn  
Rich Satkowski  
K.T. Shum  
Lisa Holm  
George Nichol  
Tara Smith  
David Haisten  
Derek Hilts  
Paul Hutton  
Mike Deas  
Leah Orloff

UC LBL, Convenor  
Executive Director  
EBMUD, Vice-Convenor  
Treasurer, CBDA  
Secretary, SWRCB  
DWR  
USBR  
USFWS  
MWD  
Watercourse Engineering  
CCWD

Proxies: John Williams, John Headlee, Jay Lund, Rob Tull