

CALIFORNIA WATER AND ENVIRONMENTAL MODELING FORUM

MINUTES OF THE STEERING COMMITTEE

For November 19, 2009
(This meeting was held at the Solano Irrigation District Office in Vacaville.)

Decisions	<ul style="list-style-type: none">•
Action Items	<ul style="list-style-type: none">• Get problem statement and draft agenda of Spreck's workshop – E.D.• Mail out 2010 Asilomar meeting announcement – E.D.• Meet to discuss the budget – Convener, Treasurer, others.
Parking Lot Items	<ul style="list-style-type: none">• None.
Motions	<ul style="list-style-type: none">• A motion was passed to raise the annual charge for Asilomar to \$250 for the full meeting, and \$125 per day for day attendance.

REFERENCES HANDED OUT:

1. Executive Directors Report.
2. Status list of Workshops
3. Draft letter to USBR on peer review.
4. List of 2010 Asilomar sessions.
5. CWEMF annual meeting notice
6. CWEMF income/expense spreadsheet.

MINUTES

1. **INTRODUCTIONS/DESIGNATION OF QUORUM** – The meeting was opened with 12 persons in attendance, and 6 proxies. A quorum was declared.

2. **EXECUTIVE DIRECTORS REPORT** – We now have Pay Pal to pay our bills. Other E.D. comments are worked into the narratives below.

3. **SECRETARY'S REPORT** – The minutes for the Sept. 25 meeting were passed.

4. **TREASURER'S REPORT** – There is \$40,000 total in both funds (general fund and peer review fund).

5. **TECHNICAL WORKSHOPS** –

a. **Groundwater Modeling** – Rich has started work on this, and has several speakers now. Try for January 2010 time frame. Matt Zidar of GEI has agreed to moderate. Matt has checked into whether the local chapter of the National Groundwater Association might want to co-sponsor such as workshop with us, and they have expressed an interest.

b. **Economic and Reliability Aspects of Delta Facilities** – Spreck Rosekrans (Environmental Defense) and Tom Philip (MWD) are putting together this CWEMF workshop to “highlight the different perspectives of interested parties on the economic and reliability aspects of the proposal to build a peripheral canal around the Delta (or perhaps a tunnel under the Delta). They have solicited speakers and will be determining its date and venue. Rich will ask Spreck for a problem statement for the workshop, and for a draft copy of the tentative agenda. The question arose in the Steering Committee as to whether some modeling would be covered, and whether water quality will be covered since there are currently water quality exceedences and water quality limitations in the Delta that could affect the routing and therefore the economics. The workshop will cover Delta conveyance, not Delta facilities.

c. **Process Models for Nutrient Dynamics in the Delta** – Cover the tie-in with the National Academy of Sciences.

d. **Real-Time Water Quality Management** – Lisa is writing a white paper on this. This topic may later turn into a workshop.

e. **San Joaquin River Restoration** – Peter Vorster will check at Asilomar to see what additional interest there is of having more San Joaquin River Restoration workshops. Peter will also check with Dave Mooney.

f. **Delta Water Quality Modeling/Pollutant Transport and Transformations** – Fred stated that the further development of this workshop is on hold until the proposed plans for managing Sacramento River flows through/around the Delta are better defined.

6. **PEER REVIEW** – A letter was sent to the USBR requesting cost-sharing with CWEMF for a comparative groundwater peer review of selected groundwater models. No formal response has yet been received from the USBR. Concurrently, it has been learned that DWR is doing its own peer review on the IWFEM and MODFLOW models, because of a time deadline that they must meet. The question arose as to whether there is still a need for CWEMF to become involved in a groundwater peer review. It is believed that there still is, because CWEMF’s review was going to be a comparison between models for various uses, rather than a review of model structure. The specific purpose of the CWEMF peer review will be to provide stakeholders and decision makers with a focused comparison of groundwater models for use in selecting appropriate models for particular applications. There was some mention of the tie-in between CALSIM and IWFEM.

7. **MODEL USER GROUPS** –

a. DSM-2 – Re-calibration of DSM-2 was discussed. On Jan. 13 there will be a meeting on the sediment transport module.

8. **2010 ANNUAL MEETING** – All sessions have been selected. The E.D. will mail out an announcement this month. Abstracts are due by Feb. 12. Announcements will be sent to universities to inform students, and to the U.C. Water Resource Archives management as they have a student announcement procedure.

9. **INCOME & EXPENSES** – We do about three workshops a year, and this brings in some income. To increase income, should we do more workshops, seek grant funding, pay for beer at Asilomar, eliminate or reduce refreshments at workshops, etc. Should we

increase membership dues from \$50 to \$75 or \$100? Should we have a lifetime membership amount? We get organizational dues from four organizations. The annual meeting at Asilomar is a large source of income. If we raise dues for the full annual meeting from \$200 to \$250 that would help but still leave us with a small deficit. Raising the daily fee at Asilomar to \$125 would also help. Should we do a multi-year budget to keep close tabs on expenditures and income? We need to develop the capability to forecast ahead several years on our budget. Asilomar costs have been going up 5% a year. In addition to sponsoring peer reviews, we want to be able to have money to do other good things, like write white papers. We should ask the general membership what other services they would like us to provide, so this can be factored into our budget if needed. To raise more money go for big ticket items, rather than small items. At the next general membership meeting at Asilomar tell them that we need to be more diligent with our expenditures. It was decided to have a meeting on the budget with the Convener, Treasurer, and interested others before the next Steering Committee meeting.

A motion was made and seconded to raise the annual charge for Asilomar to \$250 for the full meeting, and \$125 per day for day attendance. The motion passed.

10. **OTHER BUSINESS** – None.

11. **ADJOURNED** – 12:00 pm. Next meeting is on Thursday, January 14, 2010, at Solano Irrigation District Office in Vacaville.

Respectfully Submitted
George Nichol, Secretary, CWEMF

ATTENDANCE

Paul Hutton	Convener	MWD
Rich Satkowski	Executive Director	CWEMF
Marianne Guerin	Vice Convener	RMA
Stacy Tanaka	Treasurer	Watercourse Engineering
George Nichol	Secretary	SWRCB
Lisa Holm		USBR
Peter Baker		Stillwater Sciences
Rob Tull		CH2M-Hill
G. Fred Lee		GFL & Assoc.
Mark Gowdy		SWRCB

On Phone:

Lucinda Shih	CCWD
Peter Vorster	Bay Institute

Proxies: Jay Lund, John Williams, Nigel Quinn, Tara Smith, Mike Deas, Hubert Morel-Seytoux

CWEMF Workshop Status - Jan. 12, 2010

Marianne Guerin

Workshop Title	Status	Workshop Lead	Other Contact(s)	Proposed Date	Comments
Peripheral Canal Economics and Reliability Workshop	2	Spreck Rosenkrans and Tom Philp	Rich Satkowski	Before or After Asilomar	Current Speakers: Dave Sunding UCB, Jay Lund UCDD/maybe E. Hanack PPIC, Jeff Michael UOP, G. Gartrell CCWD, J. Johns DWR, perhaps others
Groundwater Modeling	3 ?	Brian Heywood	Rich Satkowski		Tariq already voluteered
Process Models For Nutrient Dynamics in the Delta	3	Paul Hutton, Marianne Guerin		Spring 2010	Cover the current state of model development for nutrient dynamics. Include speakers with expertise on the important processes or measurements.
Real-time WQ Management on the SJR	3	Nigel Quinn and Lisa			Nigel and Lisa will follow-up on a workshop (eventually) - there's enough here for at least one
Delta Water Quality Modeling: pollutant transport and transformations	3	G. Fred Lee		Spring 2010	Workshop will review the current understanding the modeling of Delta water quality pollutants transport and transformations that cause violations of Delta water quality objectives and the impairment of the water quality related impairment of Delta beneficial uses. Information will be presented on the need to develop modeling approaches and water quality and water quality data needs to develop water quality models for the Delta. I feel that it wood be better to plan on this workshop in the spring of 2010, this fall would be to soon since one of the key reports on Delta water quality issues will not be available till this fall
Modeling the Delta Smelt and Chinook Salmon Biological Opinions	3	Eric Reyes			Stalled - Eric will keep track
San Joaquin River Restoration Plan	?	Peter Vorster	Rich Satkowski	?	Presented at 2008 Asilomar - further work on hold
CALSIM III	3	Sushil Arora	Eric Reyes	??	MG follow-up with Eric
Design basis for a practical surface/groundwater model for conjunctive management	3	Hubert Morel-Seytoux		November 2009	Procedures combine analytical techniques with numerical ones, allowing for accuracy while minimizing computational burden. In this way the system can be simulated at the realistic operational time of the day
Modeling Habitat Restoration	3	Mike Tansey	M. Guerin	2010	Phil Williams Assoc (Michelle Orr, Principal)
Data Visualization	3	Tara Smith		?	
Sediment Transport	3	George Nichols			my hopes are for a workshop that would look at the effects of hydromodification (dams, low impact development requirements, urban runoff, debris basins) and storm water permits on the transport of needed sediments from the inland watersheds to the fragile coastal beaches and wetlands. I am not quite sure how to go about this yet. I might just start out with some single model presentations like HEC-RAS (which now contains the HEC-6 sediment transport capabilities) and other sediment transport models, and then build on that
(Measurement and Data Issues)	3	Peter Vorster		?	Issues, locations, timing. Etc.
Wadeable Streams	?	Peter Vorster	George Nichols		George will ask Peter if his suggestion was for the modeling of wadeable streams (hydraulic such as velocity and water depth, water temperature, habitat, etc), or for such other aspects such as the monitoring and assessment of aquatic streams, which in a way would support future modeling efforts. The term "wadeable stream" is a category of waterways that has a special significance other than just being able to wade across it. The EPA and SWRCB are doing special monitoring of wadeable streams for macroinvertebrates, algae, physical habitat, etc. to try to develop bio-criteria for them, rather than just have a narrative criteria that says "you must not do anything to hurt the biological habitat"
DSM2 Version 7 Training	Done	Tara Smith		Complete	
HydroGeoSphere	OFF	George Matangas	Lisa Holm will check		Workshop occurred earlier in year
Dynamic Modeling of Soil Water: Salinity Build-up In California Soils	OFF	Marc Gowdy, Les Grober, Glen Hoffman		Fall 2009	The soil salinity workshop idea has developed further in the last couple of weeks, and it turns out that UC Riverside has already embarked on the same effort.....we (the State Board, head up by myself primarily) are in discussions with them on how to join forces. If it continues in this direction there would likely not be a role for CWEMF, as its already getting crowded with many big names. I would say remove that from the CWEMF list (which is already pretty long). I'll keep CWEMF in mind as we proceed with this effort.
Sampling for Fishery Models	OFF	John Williams	Rich Satkowski		Ken Newman too busy for now - workshop on indefinite hold. (John Williams said that CALFED is interested in the workshop, which would be 4 hours in a classroom setting and then 4 hours in the field.)

Status:

1 = Schedule finalized or nearly finalized

2 = Detailed development underway

3 = Concept stage

4 = External Group