

Notes from URGWOM Steering Committee Meeting; October 11, 2001; 10:00 AM; Corps of Engineers Conference Room, Albuquerque

In attendance:

Cyndie Abeyta, USFWS

Roberta Ball, Corps

Steve Bowser, USBR

Gerhard Krueger, Corps

Bill Leibfried, NMISC/SWCA

Charles Lujan, San Juan Pueblo

Bill Miller, WJM Engineering, Inc.

Dennis Romero, NMISC

Marc Sidlow, Corps

Gail Stockton, Corps

Carole Thomas, USGS, URGWOM
Technical Team

Jack Veenhuis, USGS

Tim J. Ward, UNM

Dave Wilkins, USGS, URGWOM Technical
Team

- ❖ Cyndie Abeyta opened and chaired the meeting.
- ❖ After introductions, Dave Wilkins reviewed examples of data obtained from other agencies that were used in model development.
 - ET—consumptive use—was labeled incorrectly and **should be corrected** in the USBR data files.
 - Tim Ward suggested some design considerations for organizing the data on the web site using an index.
 - Gail Stockton will be listed as the contact person for people who have questions about the data posted on the web site.
- **To document their approval, Gail will follow up with the agencies who received letters requesting permission to post the data they supplied to URGWOM on the web.**
- ❖ The status of URGWOM development and Technical Team activities was reviewed by Dave Wilkins. A copy of his summary is attached to the end of these notes.
 - There was follow up discussion on an issue raised at the September meeting addressing the need for the Technical Team to incorporate accounting data between 1985 and 1993. Running the Accounting Model using Green Book data requires a lot of detective work to determine what really went on in the river system and a lot of changes. So far, this has taken a considerable amount of Technical Team time and effort, and the team questions the need for continuing the work because accounting data from 1997 through 1999 is already used to verify the Accounting Model. Running the Accounting model using earlier Green Book data would provide historical documentation, but is not needed for any of the URGWOM models.
- It was suggested that **a representative from the USBR be invited to present information on San Juan-Chama water accounting to the Steering Committee.**

- ❖ Steve Bowser updated the group on HDB database design capabilities. This was a follow-up item from the September meeting.
 - CADSWES indicated that the current design of HDB cannot handle water accounting, but accounting in HDB can be implemented in URGWOM with design modifications. These modifications are under investigation.
 - Funding is needed for a computer to accommodate the database for integration of URGWOM data.
- ❖ Jack Veenhuis reported on progress in MMS model development in the northern part of the basin.
- ❖ Cyndie reported that the USFWS has received two requests for funding of ET studies along the Rio Grande.
- ➡ ❖ The group agreed that **the database design subcommittee should meet to discuss web site design.**
- ➡ ❖ **The next URGWOM Steering Committee meeting will be held on November 8 at 10:00 a.m. at the Corps in Albuquerque.**

Status of URGWOM Tech Team Activities—October 11, 2001

- Documenting the water operations rules - creating a macro to extract and assemble the written descriptions from within the actual ruleset.
- Correcting Elephant Butte Evaporation data errors, and their effects on other accounting model output data.
- Getting water accounting data ready for the web.
- The SUN Blade computer is in and running, with much assistance from Roberta.
- Backing up everyone's workspaces to allow trimmed down filespace on the new SUN.
- Debugging and enhancing ruleset for the Water Ops model based on comparison of ruleset runs using historical data against historical operations. 1995 runs look pretty good. Working on 1996 run, required slight modification to ruleset.
- Documentation of Water Ops model rules.
- Collecting, synthesizing, and verifying reservoir data for Corps projects back to 1975. Updating Metadata file as collection of data progresses.
- The RiverWare accounting model for 1994 has been verified for Heron, El Vado and Abiquiu Reservoirs. More work needs to be done to verify the model for Cochiti, Jemez and Elephant Butte Reservoirs.
- CADSWES provided an update of the RiverWare code that includes a method for calculation of "riparian ET" and also river leakage "on the fly". Carole Thomas tested the new code and found a bug. Katrina Grantz revised the code for retesting.
- Completed determining river and riverside drain bottom elevations at selected cross section locations between Cochiti and Bernardo.
- Completed determining distances from one cross section to the next and from the river to the east and west side riverside drains at each cross section from Cochiti to Bernardo.

- Using data from Jim Bartalino of USGS, determined relationships between vertical gradients below the river and change in river elevation from the previous day to the day of computing a vertical gradient.
- Modified the FORTRAN program to compute river leakage using the updated river and drain bottom elevations and distances and vertical gradients.
- Currently verifying calculations made by the FORTRAN program.