

## MEMORANDUM

To: ESHMC  
Fr: B. Contor  
Date: 14 May 2007

Re: Summary of discussions on 11 May 2007

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This memo is a brief summary of the results of discussions regarding the "Current Practices" scenario, at the ESHMC meeting in Boise on Friday, 11 May 2007. It is organized according to the three slide presentations given. The conclusions presented in this memo were reached by general (though perhaps not unanimous) consensus.

### **Presentation "SHORT MODEL RUN"**

This presentation discussed the semi-synthetic data set to be used to generate starting heads representative of 1 May 2007. We concluded:

1. No one had immediate objections to the data set nor the procedure used to derive starting heads. However, committee members wish to wait to review all the files associated with the "Combo 3" run (which will correct a small problem with return flows in the last few years of Aberdeen-Springfield data) before making a final decision.
2. To be certain that all seasonality signals are overcome, starting heads for the scenario will be obtained by running all 22 years of calibration data and the five years of semi-synthetic data with annual stresses. This simulation will start 1 May 1980 and use calibration-period starting heads.

As a clarification (not discussed at the meeting), IWRRRI proposes two renditions of the "Combo 3" model run. A seasonal rendition with six-month stress periods will be run to repeat the test of the simulated data, and an annual-stress rendition with no seasonal signal will be run to generate starting heads for the scenario. All files (including the input and output files for ESPAM.exe) will be made available to the ESHMC.

### **Presentation "SIX WELL TERMS FOR CURRENT PRACTICES SCENARIO"**

This presentation focused on two things: 1) Indices and their use to weight the candidate years, in constructing the well terms; 2) The differences in the obtained well terms. Conclusions were:

1. Committee members wish to carefully review the spreadsheets used to assign indices and calculate target weighting fractions. Committee members also wish to carefully review the solver spreadsheets.

By the time this memo is released, these spreadsheets will already have been made available.

2. All six resulting well terms will be used in the simulation, representing the range associated with our ability to define an "average" stress using existing data.

### **Presentation "PRELIMINARY LOOK AT CURRENT-PRACTICES SCENARIO RUN 'C305'"**

Committee members were skeptical of the results because final gains and spring discharges were only little changed from simulated current levels (though heads varied significantly in some locations). Discussion included the following:

1. Members suggested there may be an error in the MODFLOW files.
2. One member suggested that the 1992-2001 data may be defective as a result of the water-budget balancing performed during model calibration.
3. The two suggested presentation methods are a reasonable start on finding a presentation format that informs the reader about simulated final results, the comparison of those results with today's condition, and expectations of variability.

Upon completion of the correction for Aberdeen-Springfield returns and the annual-stress rendition of "Combo 3" to obtain starting heads, the current-practices scenario will be re-run and all MODFLOW files will be made available to the ESHMC.