

version 1 January 9, 2008

HSE seminar Spring 2008

Ground Water Model Calibration and Evaluation

Goal: To advance our understanding of Ground Water Model Calibration and Evaluation

Plan: The initial plan is to read: Effective Groundwater Model Calibration (Hill and Tiedeman, 2007, Wiley) and MMA, A Computer Code for Multi-Model Analysis (Poeter and Hill, 2007, USGS Techniques and Methods 6-E3). However, we may decide to change the plan based on our discussions. Many of you have copies of these. I will keep a copy of Hill and Tiedeman in the GE office for you to check out for 3 business hours. MMA is available as a free PDF file.

Commitment: Each week plan for one hour in the classroom and two outside.

Procedure:

- Each week we define the pages to be read (I will post this each week at: <http://www.mines.edu/~epoeter/598>)
- For each distinct section of that reading, each student will write:
 - the point that is made in the section in one sentence;
 - her/his assessment of why the author chose to write that section
 - one or more questions about the material presented in the section; and
 - any flaws s/he thinks may occur in the section.
- At class we will:
 - turn in a copy of the notes delineated above;
 - draw the name of the student to kick off discussion of the first section;
 - that student will use the above notes to start the discussion and all students will participate;
 - we may identify items for additional exploration that will alter our future reading;
 - we will work our way around the table moving to a different student for each section.
- Summarize what we gained and consider whether we should change our approach to improve the experience. This may be a permanent or a one-week change. For example, we may decide it would be useful to do an exercise rather than a reading.

Grading:

Grading is based on the quality of the notes and participation in the discussion.