

**Monthly Letter Progress Report #05 – May 2011
Assessment of Groundwater Modeling Approaches to
Brackish Aquifers**

TWDB Contract No. 1100011196

Submitted to:

**Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711**

Prepared by:



**INTERA Inc.
1812 Centre Creek Drive – Suite 300
Austin, Texas 78754
512/425-2000**

and:

The Bureau of Economic Geology

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1.0 Progress on Tasks

This report summarizes activities on project tasks for the month of May, 2011 and represents the fifth progress report on this contract.

Task 1 Project Management

With respect to schedule, the extension of the delivery date of the draft report to August 31 was approved.

On May 26, we had a technical review meeting with TWDB staff to discuss progress to date. In the meeting, we presented the information we had gathered during the literature review, and how that information was summarized in information matrices. TWDB provided helpful feedback, and overall the project will continue on its current course.

Task 2 Technical Tasks

Technical tasks in May continued the April work on construction and definition of the code type and code application matrices. Our focus is in two areas: first, we are working on matching up the various hydrogeologic scenarios with particular code attributes; second, we are working to find examples where particular codes have been used for particular hydrogeologic applications. Documented examples are helpful for providing support for the use of particular codes for a given situations, although the writeups do not always provide specific reasons why the particular code was selected.

In addition, we did some preliminary work on developing a scoring system for the eventual decision procedure. This will eventually form the basis of the primary deliverable for the project.

Task 3 Project Report

There was no work under this task in April.

2.0 Planned Activities for the Next Month

Task 1 Project Management

No major project management tasks planned for next month.

Task 2 Technical Tasks

Technical tasks in June will continue to focus on the code-application matrix and the development of the decision procedure/support matrix.

Task 3 Project Report

We do not anticipate doing work under this task in June, except perhaps putting together the report structure, and starting a writeup of the introductory information.

3.0 Problems/Issues and Actions Required/Taken

None.