

GLY 4822, Assignment 12

1. Do Exercise 9.1 in your text.
2. Do Exercise 9.3 in your text. Use both the templates on the web (i.e., do it by hand) and Aqtesolve, which you can find on the web at <http://www.aqtesolv.com/demo.htm>. Compare the results.

The 'trick' to using this program is to put in '0' for the first pumping well period time; the time corresponds to the beginning of the period.

3. Do Exercise 9.4 in your text. Use both a spreadsheet (i.e., do it by hand) and Aqtesolve. Compare the results.
4. Derive the relationship between head h and depth z to the fresh/salt water interface. Begin by assuming that the pressures exerted by salt water and freshwater at the interfaces must be equal. The density of saltwater is 1.025 g/cm^3 .