

CGN 6933 Groundwater Engineering

Homework #1

Fall 2019

Due Thurs., Sept. 5, 2019

Prof. J. A. Cunningham

This assignment will be collected but not graded.

- (1) Write a short professional autobiography. It should probably be about $\frac{1}{2}$ –1 page in length. Please write it in the style of a short biography, and answer most/all of the following questions (not necessarily in this order; you decide what sounds best). From what state, province, or country do you come? How long have you been at the University of South Florida (USF)? For what degree are you studying? With which department or division are you affiliated? In what field is your undergraduate degree? Do you have any professional or work experience that is related to water resources, environmental engineering, and/or groundwater engineering? Why are you interested in learning about groundwater engineering? What do you hope to gain from this class? The purposes of this question are (a) to help me get to know you, and (b) to give you some practice writing (especially for those of you who have a first language other than English).

- (2) Spend some time investigating the use of groundwater as a resource in your home state. If you are not from the U.S., then you can consider your home country, province within that country, etc. Report your findings. Some things you might try to find out are: how much groundwater is used per year? Is groundwater used for drinking water, irrigation, industry, or some other use? What is the relative usage of groundwater versus surface water? What percentage of the population is served by groundwater? Are there any severe groundwater contamination problems? Feel free to include figures, tables, or maps, if those assist you in reporting your findings. Please type your report with reasonable font size, margins, and spacing. Because this assignment will not be graded, you can make your report as long or as short as you wish. I will read it, but I won't grade it.

This assignment is a bit different from the other assignments that you will see during the semester. Most of the assignments will be more traditional “engineering problem-solving” assignments. This assignment helps me to get to know you, and helps you to think about why groundwater is important.