

CWR 5125 – GROUNDWATER HYDROLOGY
HOMEWORK No. 7: Optional – Fall 2024
Instructor: Professor Fuentes

Study the article by Newman et al. (1999) and answer the following questions:

- 1) What is the main objective of the article?*
- 2) Describe the methodology that was used to obtain data?*
- 3) What kind of mathematical model was used to simulate contaminant transport?*
- 4) What was the main conclusion of the article?*
- 5) In reference to the following documents (see below*), select and list analytical solutions that you could use to predict contaminant transport like the case of the article?*

Contaminant Transport Mechanisms, Chapter 6, Bedient et al. (1999)

Advective-Dispersive Transport and Models (Chapter 8, Chabernau (2006)

(Due Date: Tuesday, December 3, 2024)

Study Assignment: Part V (Refer to syllabus for details)

Written Report or Paper Deadline: Friday, December 6, 2024, 4:30 PM

Oral Presentation: Tuesday, December 10, 2024, 5:00 PM