

ES476 Hydrology – Class Assignment

Key Word Search on Groundwater

Using internet, text, and other class resources, provide a brief definition or description of the following terms, with a sketch, equation or cut-n-paste photo where required.

Aquifer

Aquiclude

Porosity

Permeability

Saturated vs. Partially saturated Aquifers

Pore pressure

Capillary force

Darcy's Law

Permeameter

Hydraulic conductivity

Intrinsic Permeability

Darcy's velocity

Isotropic vs. anisotropic conductivity

Matric potential

Vadose zone

Infiltration capacity

Wetting front

Capillary fringe

Base flow

Confined aquifer

Unconfined aquifer

Unsteady vs. steady flow

Hyporheic zone

Effective porosity

Yield porosity

Macro porosity

Saturated front

Water table

Potentiometric surface