

An Introduction to Groundwater Issues at Mine Sites

Produced by:

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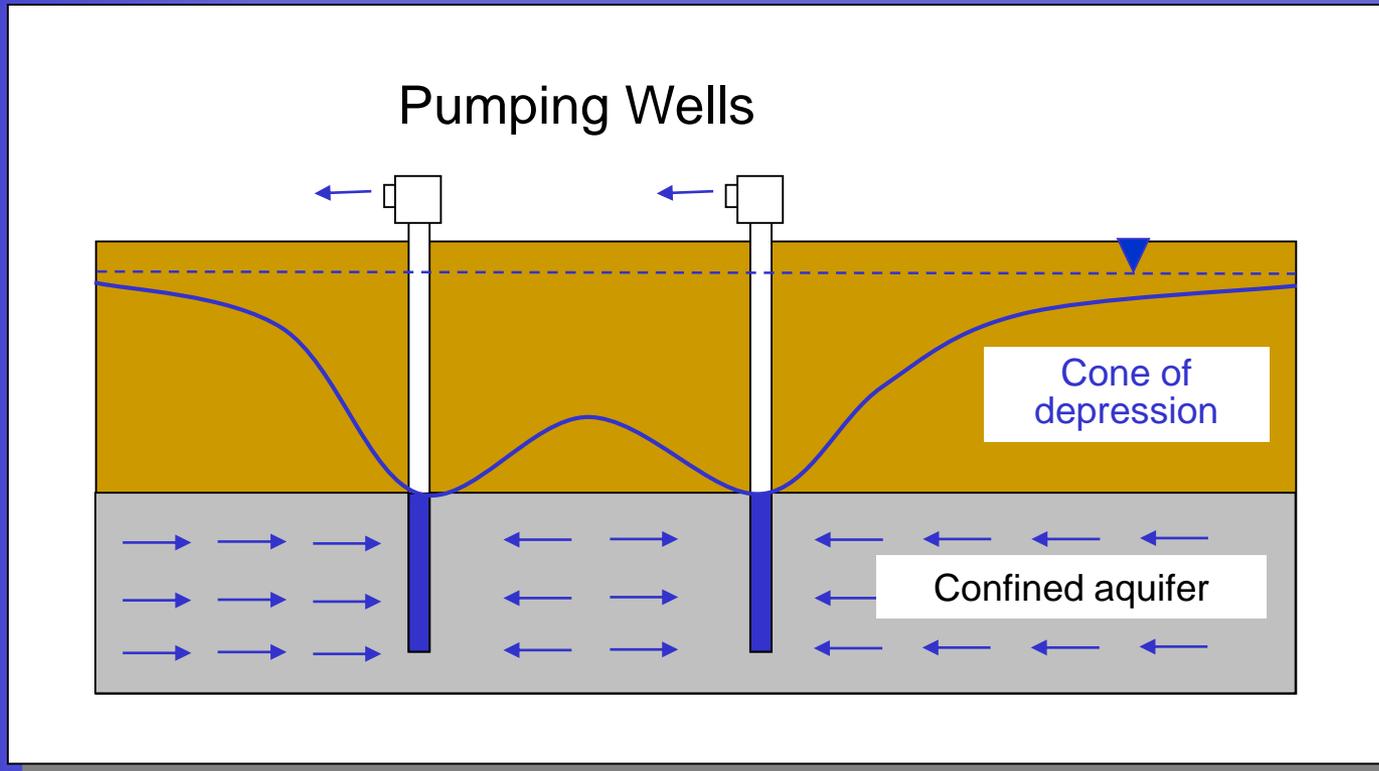
Topic 1: Introduction



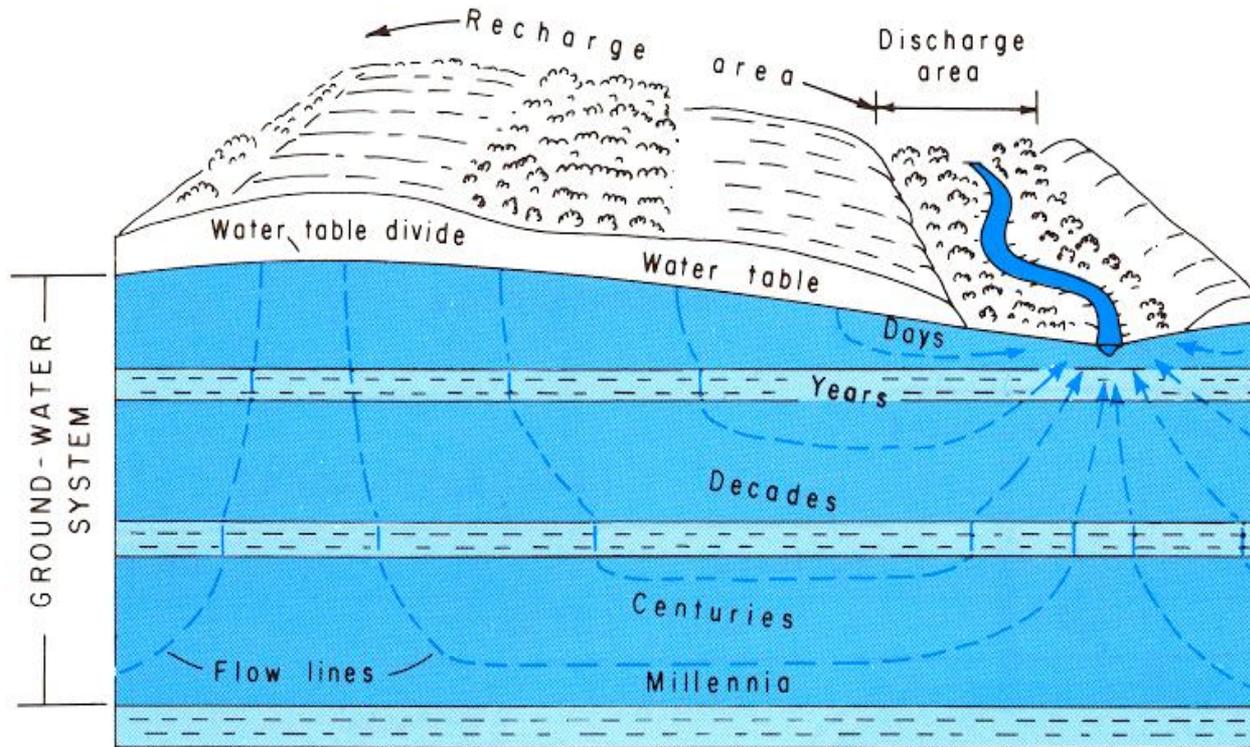
What is Groundwater?

- A Resource
 - Drinking water, process water, irrigation, etc...
- A Pathway
 - Migration of dissolved constituents in subsurface to receptors such as wells, rivers, lakes, wetlands, ocean

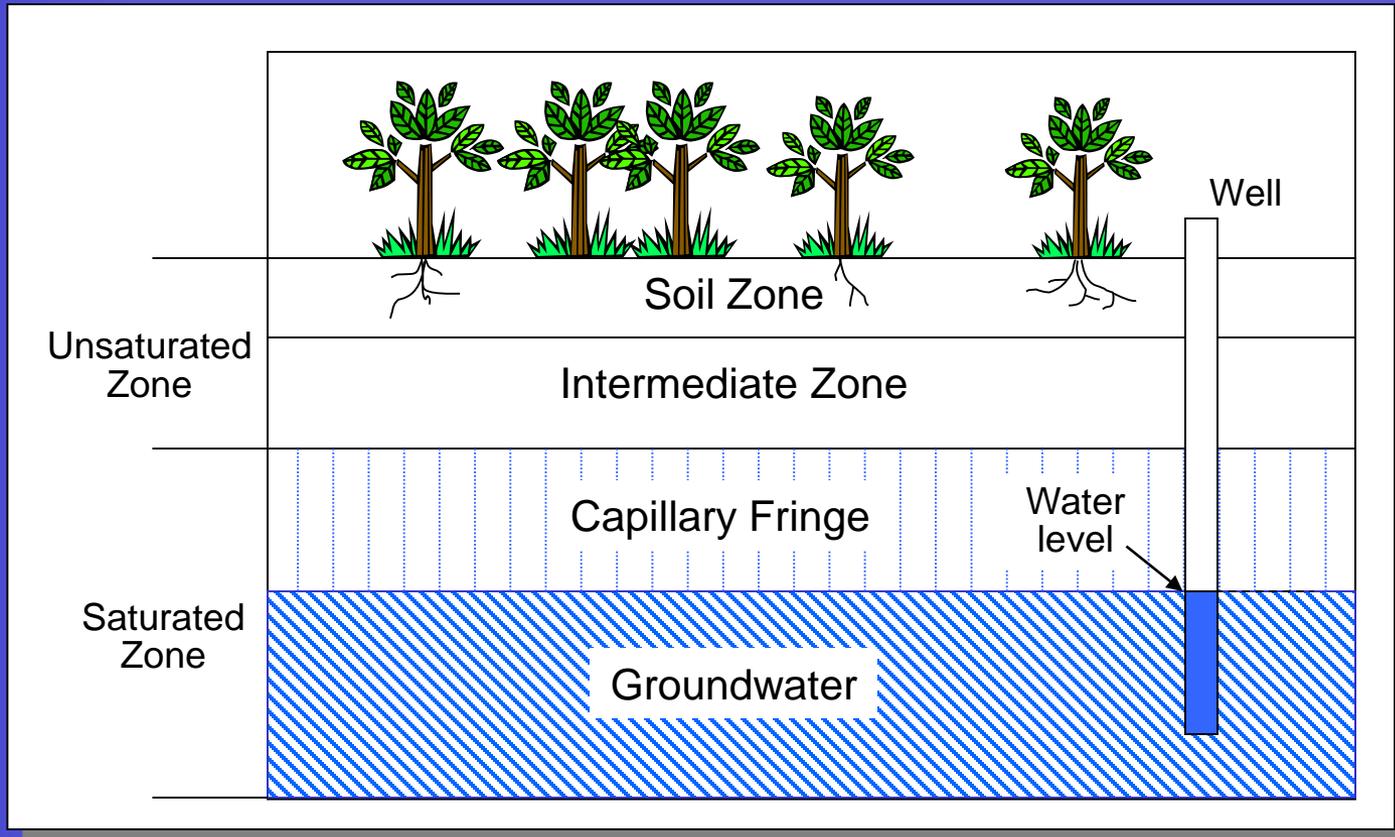
Groundwater as a Resource



Groundwater as a Pathway

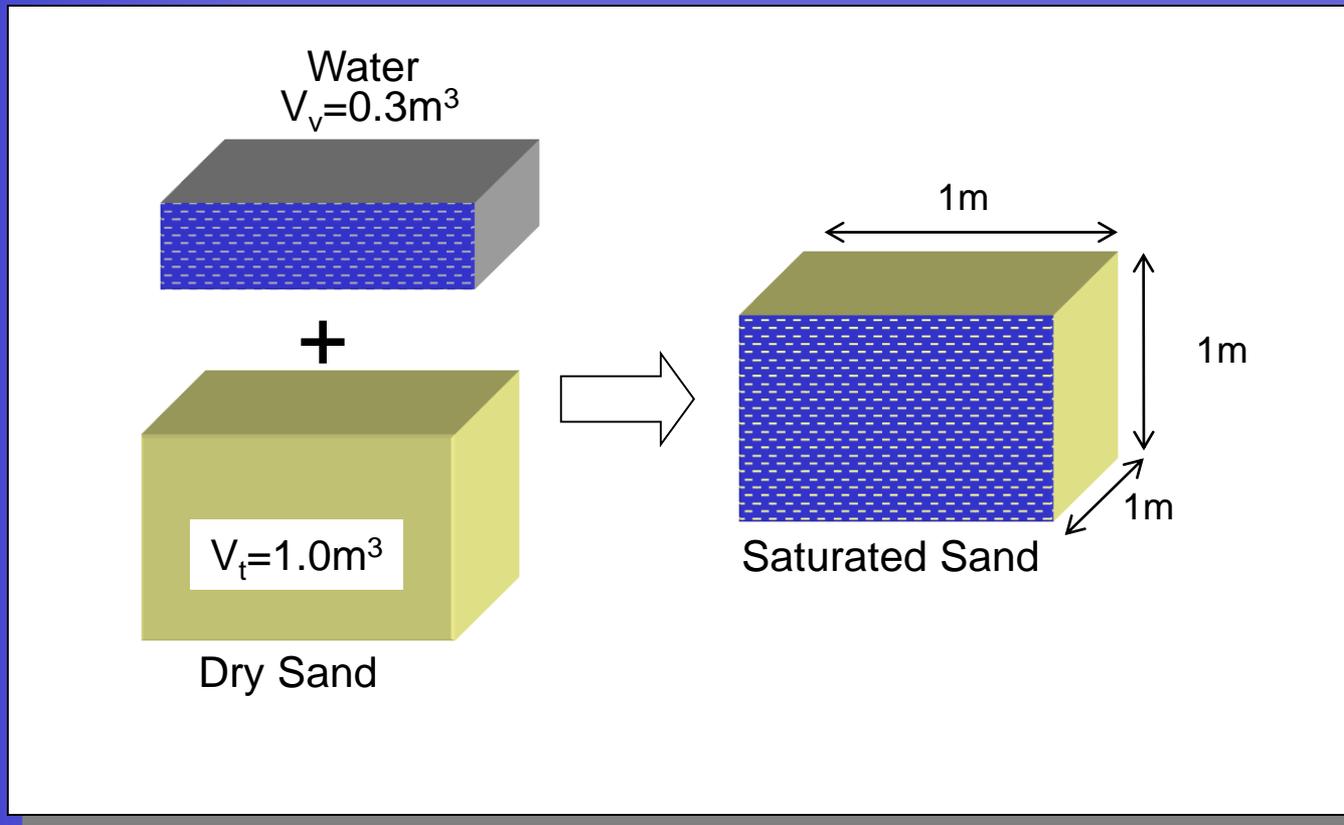


Where is Groundwater?



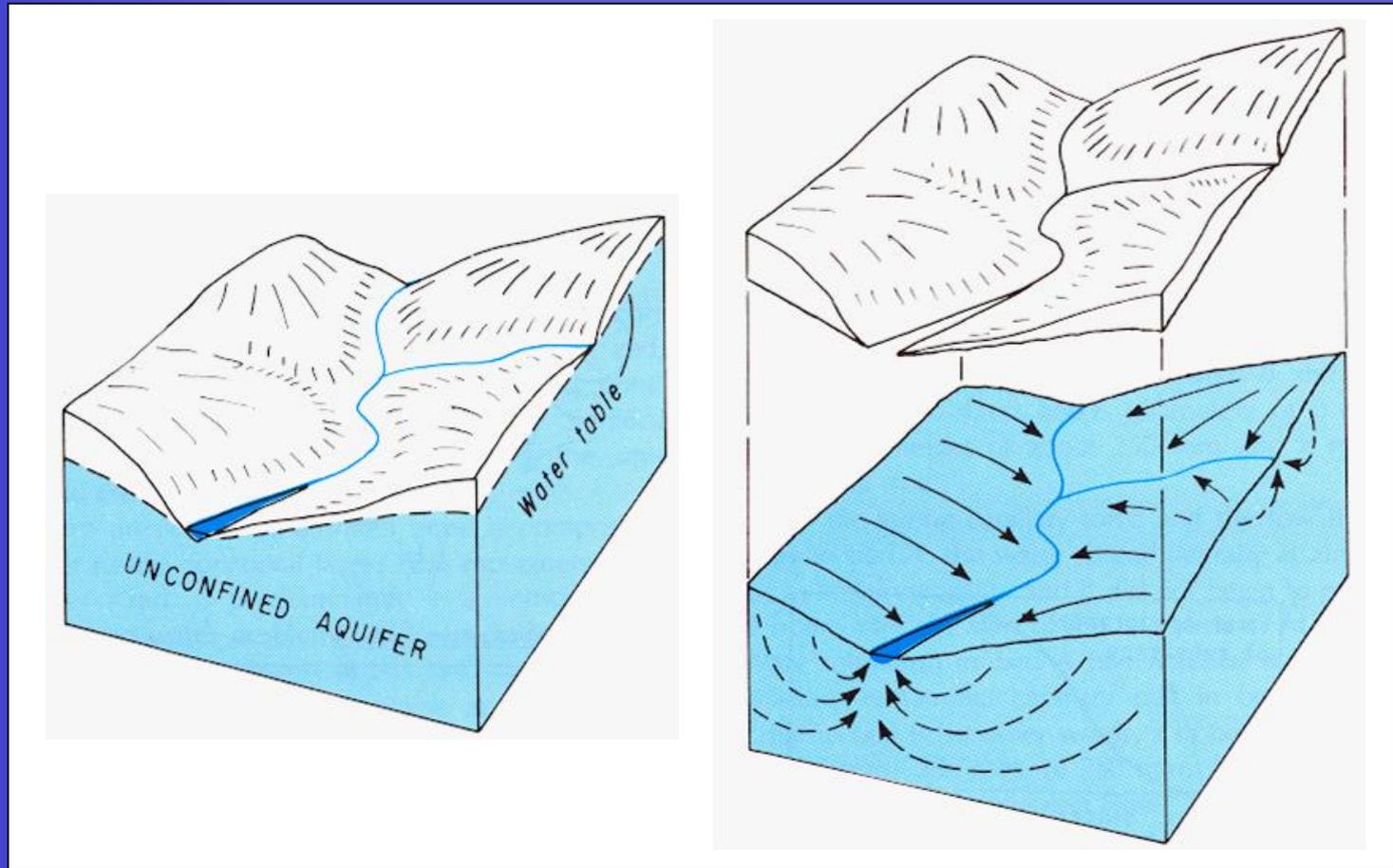
Where is Groundwater?

- Porosity



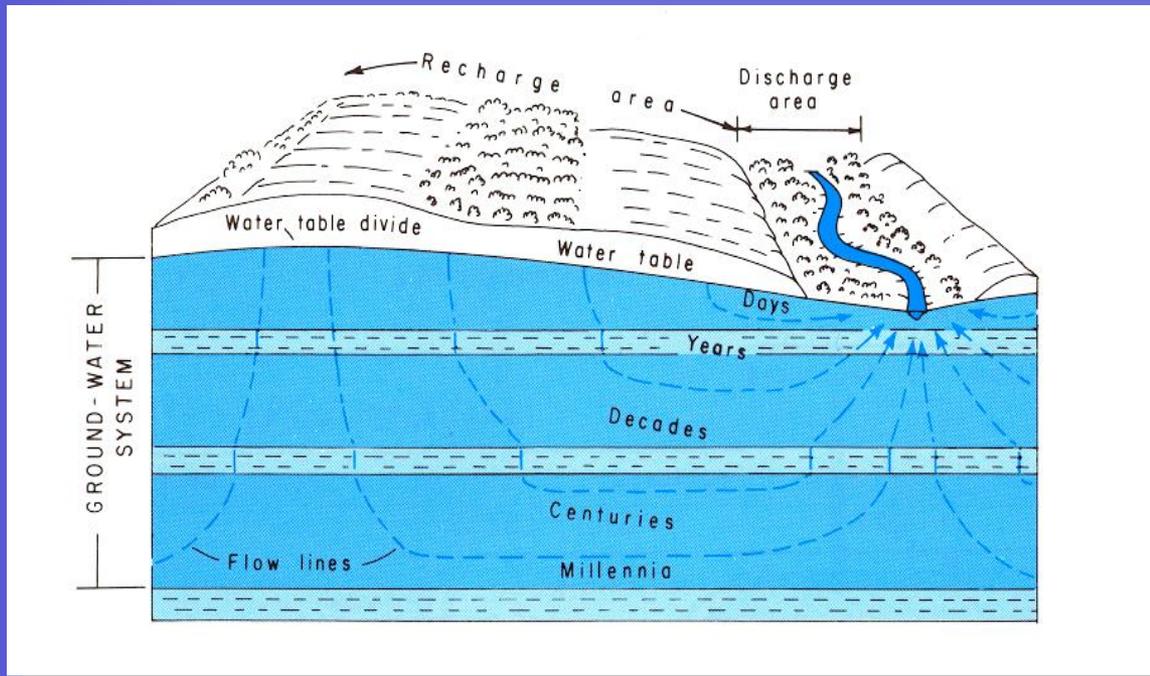
How Does Groundwater Move?

- Where to?

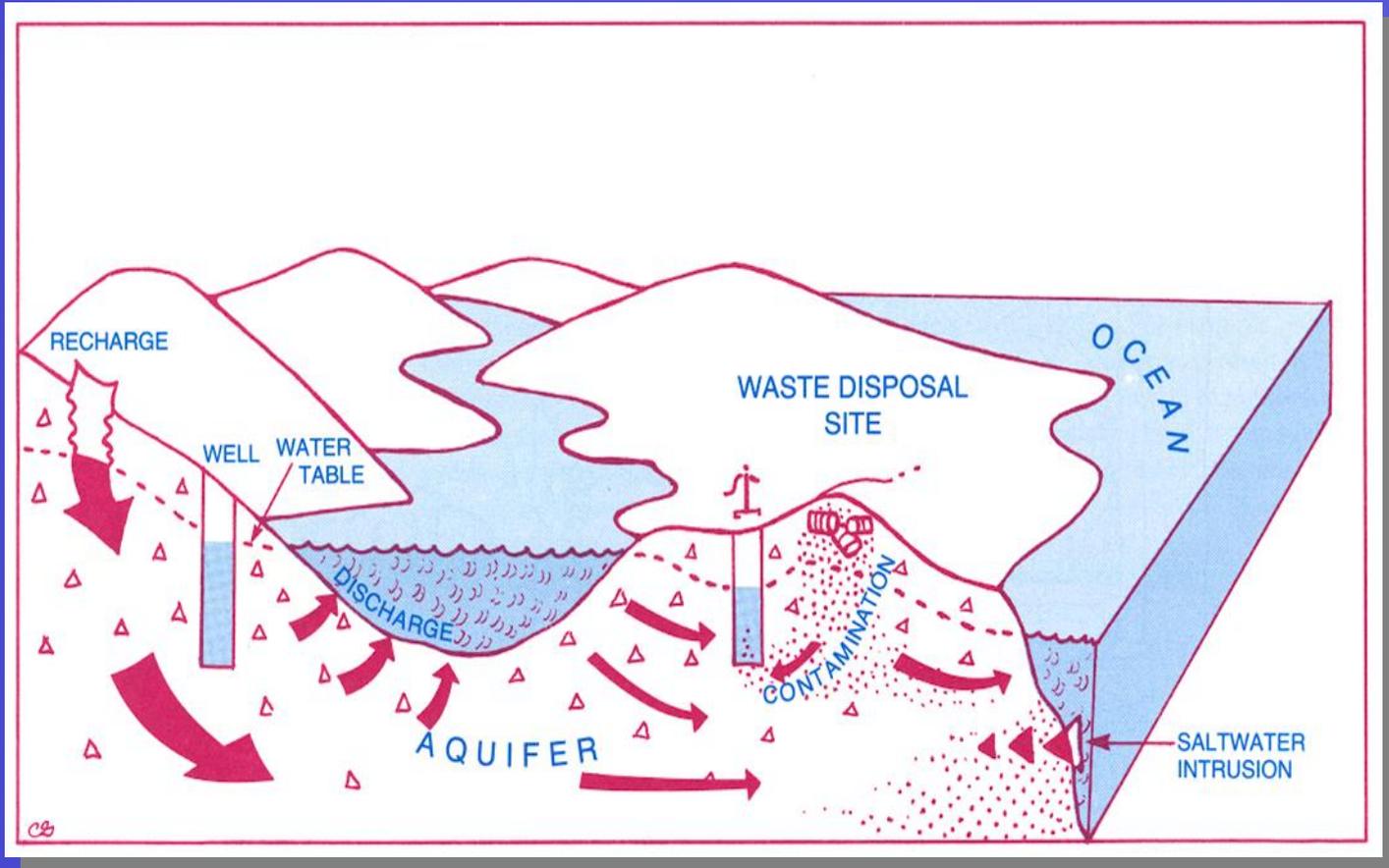


How Does Groundwater Move?

- How fast?

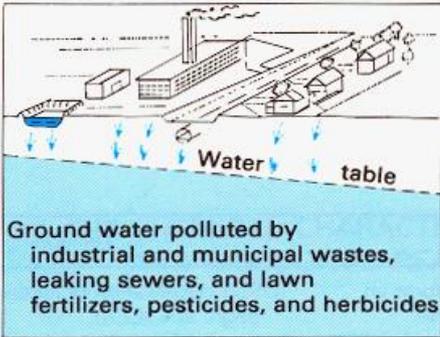


Groundwater and the Hydrologic Cycle

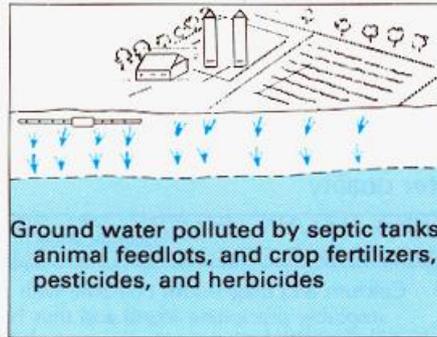


Transport of Contaminants in Groundwater

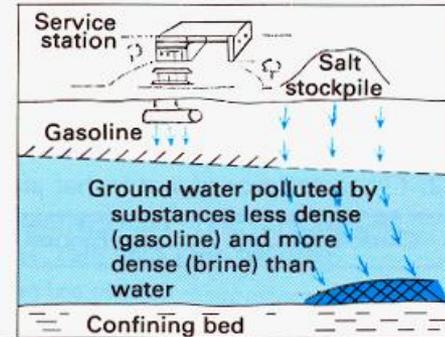
URBAN AREAS



RURAL AREAS



DENSITY EFFECTS



DISTANCE EFFECTS

