

Some Few Facts About Groundwater

- Located below earth's surface (e.g., in geosphere) in porous soil and rock formations
- Estimated percentage of groundwater freshwater of total freshwater:

30.1% (>> 0.006% of river flows and >> 0.26% in lakes)

- Groundwater hydrology studies the occurrence, movement and quality of groundwater
- Main source of water supply via drilled wells (up to depths greater than 1000 feet)
- main problems:
 - a) mining:
 - pumping rates > safe yield
 - safe yield = f (recharge)
 - b) quality
 - 1) land use
 - 2) deep well injection of liquid wastes
 - 3) water reuse by injection