





Consiliul National de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare

Build up and apply groundwater protection strategies

- » Precipitations
- » Topographical surface
- » Soil characteristics
- » Net recharge
- » Unsaturated zone (lithology and depth)
- » Aquifer media, hydraulic conductivity and depth
- » Aquifer connexion to surface water
- » Land use *etc.*

Basic parameters

The diagram illustrates a cross-section of the ground showing various hydrological and geological features. At the top, a cloud with rain represents precipitation. Below the surface, a green line indicates the topographical surface, with a dashed red line representing the water table. A 'Regional discharge area' is shown on the left where water flows from the aquifer to a surface water body. A 'Local recharge area' is shown in the center where water infiltrates from the surface. A 'Groundwater divide' is marked by a peak in the water table. To the right, a 'Regional recharge area' shows water infiltrating from the surface. A 'Flow line' is depicted as a blue arrow within the aquifer, and a 'Regional flow system' is shown as a network of blue arrows at the bottom. The diagram also labels 'Evaporation' with an upward arrow and 'Infiltration' with a downward arrow.

Constantin Radu Gogu, Habilitation Thesis, April 19, 2013

Panasonic

