



Regional, intermediate and local groundwater flow systems in a hilly landscape with a thick surficial aquifer. **Recharge** occurs across nearly all of the upper surface of the aquifer; widespread infiltration there forces water down into the aquifer as it moves towards discharge sites. **Discharge** occurs where the water table intersects the land surface; there upward flow occurs where water seeps into springs, streams and lakes. The deeper the flow paths, the slower they become, the longer the residence time of the water, and more mineralized the water.