Significant Sand and Gravel Aquifers

WHAT IS AN AQUIFER?

A ground water, as the term implies, is a water body that lies beneath the land surface, bounded above by the water table. The water table is the surface at which the ground water is in contact with air or ground surface. Ground water in aquifers is continuously replenished by rain that percolates or infiltrates the ground. The rate of replenishment is called the recharge rate. Ground water flow in an aquifer occurs through interstitial spaces or pores. Ground water aquifers can be divided into three categories based on their recharge rate: (1) recharging, (2) non-recharging, and (3) recharged. Recharging aquifers are those that are continuously replenished by rain. Non-recharging aquifers are those that are not replenished by rain. Recharged aquifers are those that are replenished by rain but are not continuously replenished.

HOW ARE AQUIFERS Mapped?

When mapped by using a regional grid system, aquifers are divided into six major categories: (1) recharging, (2) non-recharging, and (3) recharged. The categories are determined by the rate of recharge and the rate of withdrawal. Ground water aquifers are divided into three categories based on their recharge rate: (1) recharging, (2) non-recharging, and (3) recharged. Recharging aquifers are those that are continuously replenished by rain. Non-recharging aquifers are those that are not replenished by rain. Recharged aquifers are those that are replenished by rain but are not continuously replenished.

GROUND-WATER FLOW AND CONFINEMENT

Ground-water flow in an aquifer occurs through interstitial spaces or pores. Ground water aquifers can be divided into three categories based on their recharge rate: (1) recharging, (2) non-recharging, and (3) recharged. The categories are determined by the rate of recharge and the rate of withdrawal. Ground water aquifers are divided into three categories based on their recharge rate: (1) recharging, (2) non-recharging, and (3) recharged. Recharging aquifers are those that are continuously replenished by rain. Non-recharging aquifers are those that are not replenished by rain. Recharged aquifers are those that are replenished by rain but are not continuously replenished.

OTHER SOURCES OF INFORMATION