Significant Sand and Gravel Aquifers

WHAT IS AN AQUIFER?

Groundwater is the name given to water that is found beneath the surface of the Earth in porous rocks and unconsolidated materials. Aquifers are bodies of rock or unconsolidated material through which groundwater can move and that contain sufficient quantities of water to allow withdrawal for use. Aquifers may be composed of sand, gravel, or other unconsolidated materials; sand and gravel are often present in aquifers in the area of the quadrangle.

HOW ARE AQUIFERS MAPPED?

When mapping sand and gravel aquifers, geologists use cross sections, stratified hatchings, and symbols to indicate the thickness and extent of aquifers. The cross section shows the thickness of the aquifer, and the stratified hatchings indicate the extent of the aquifer. The symbols show the location of the aquifer on the map.

GROUND-WATER FLOW AND CONFINEMENT

Dissolved water moves through the aquifer and follows the contours of the surface. The movement of water is controlled by the topography of the surface. The topography of the surface is controlled by the contours of the surface. The contours of the surface are controlled by the shape of the surface. The shape of the surface is controlled by the contours of the surface. The contours of the surface are controlled by the shape of the surface. The shape of the surface is controlled by the contours of the surface. The contours of the surface are controlled by the shape of the surface. The shape of the surface is controlled by the contours of the surface. The contours of the surface are controlled by the shape of the surface. The shape of the surface is controlled by the contours of the surface. The contours of the surface are controlled by the shape of the surface. The shape of the surface is controlled by the contours of the surface. 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