Significant Sand and Gravel Aquifers

Ground water, as the term implies, is water that is found between the surface of the land and the base of the ground. Ground water is an essential resource for many people, and it is important to understand how it is formed, how it moves, and how it can be protected.

WHAT IS AN AQUIFER?

Ground water is stored in underground rocks and sediments, where it is referred to as an aquifer. Aquifers are important because they provide water for drinking, irrigation, and other uses. Ground water is a vital resource for people, plants, and animals, and it is important to protect it from contamination.

HOW ARE AQUIFERS MAPPED?

When mapped and studied, aquifers can be identified by their size, shape, and location. They can be mapped using various methods, such as geophysical surveys, hydrogeological studies, and groundwater modeling. The map of the aquifer can be used to identify areas where water is most likely to be found, and to determine the best locations for wells and other water sources.

GROUND-WATER FLOW AND CONSTRUCTION

Ground water flows through the ground in response to changes in pressure and elevation. In the case of a well, the water is pumped from the ground to provide a usable source of water. The flow of ground water can be affected by various factors, such as the type of aquifer, the amount of water available, and the presence of barriers, such as rock layers.

OTHER SOURCES OF INFORMATION

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