First Occurrence of Aquifer Materials in Bon Homme County, South Dakota

This map was developed from lithologic logs and published reports. The major sources of information were...

First occurrence of aquifer materials is generally less than or equal to 50 feet below land surface
First occurrence is generally greater than 50 feet and less than or equal to 100 feet below land surface
First occurrence is generally greater than 100 feet below land surface

Explanation

This map is intended for use as a tool to aid in identifying areas suitable by aquifer material. The aquifer materials shown on this map are conceptual. This map does not show individual aquifers. There may be more than one type of aquifer material present in an area. However, only the aquifer material that would be first encountered is shown. Within the boundaries of any given map area, there may be local areas where aquifer material is absent. The thickness and permeability of aquifer material may vary significantly. Also, no attempt was made to distinguish between saturated and unsaturated material. Therefore, not all of the areas defined on this map may be an aquifer. Site-specific information should always be examined when making land management or water development decisions.

The Geological Survey Program, Department of Environment and Natural Resources, engages in an ongoing data collection and interpretation process. An outcome of that process is to collect these interpretations on maps such as the one shown here. Additionally, efforts have been made to ensure that the map accurately reflects the Missouri River flooding of 2011 flood. Boundaries along the Missouri River likely changed due to 2011 flood. The Geological Survey Program, Department of Environment and Natural Resources, engages in an ongoing data collection and interpretation process. An outcome of that process is to collect these interpretations on maps such as the one shown here. Additionally, efforts have been made to ensure that the map accurately reflects the Missouri River flooding of 2011 flood. Boundaries along the Missouri River likely changed due to 2011 flood.