Surficial Geology of the Fertile NE (Iowa) 7.5' Quadrangle

The Surficial Geology of the Fertile NE (Iowa) 7.5' Quadrangle was created by the Iowa Geological and Water Survey. The map shows various geologic units and features, including bedrock types, surficial deposits, and water well locations. The map is useful for understanding the geologic framework of the area and for identifying potential resources and hazards.

The map is divided into several sections, each representing a different geologic unit or feature. The units are color-coded and labeled for easy identification. The legend on the right side of the map provides a key to the symbols used on the map.

The map includes a geologic cross-section labeled as A-B, which provides a vertical view of the geologic layers. The cross-section is useful for understanding the stratigraphic relationships between different geologic units.

The map also includes a correlation of map units, which shows the relationship between the different geologic units across the area. This information is valuable for interpreting the geologic history of the region.

The map was produced by the University of Iowa Department of Geology and Geophysics, and the Iowa Department of Natural Resources. The map was created using a combination of aerial photography, ground surveys, and laboratory analyses of soil and rock samples.

The map is an important tool for land use planning, natural resource management, and environmental protection in the Fertile NE (Iowa) area.