Surficial geology of the Lake Erie region

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The Ohio Department of Natural Resources, Division of Geological Survey has completed the first 1:100,000-scale surficial geology map of all the counties in the state of Ohio. The maps, from west to east, are the Trumbull, Mahoning, and Columbiana counties. These maps will enhance the understanding of the surficial geology of Ohio and provide a base map for hydraulic analysis and related studies.

The maps are derived from Ohio Department of Transportation’s (ODOT) county soil maps, water wells, ODOT erosion basins, state geological survey maps, U.S. Geological Survey topographic maps, and Ohio's municipal floodplain data. The maps are updated periodically and additional information will be added.

A key to the symbols used on the map is provided on the back of each map sheet. The map symbols are divided into three categories: surficial deposits, bedrock, and features. The surficial deposits are categorized by color and pattern. The bedrock is categorized by color and pattern as well. The features are categorized by color and pattern as well.