



EXPLANATION

-  Flood plains and kettle holes
Flood plains are underlain by silt and alluvium. The deposits generally are thin and overlie material of different character. The kettle holes are enclosed basins and glacial spillways. Generally they contain muck and peat; in places, they contain silt or sand. These deposits generally are underlain by sand and gravel
- HIRAM TILL**
Cuyahoga lobe in the northwestern part of the county; Grand River lobe in the eastern part
-  Ground moraine
Clayey till, commonly called "clay and gravel" in well records, sparingly to moderately pebbly, generally less than 15 feet thick, overlying bedrock or older till. Water supplies very poor from till; supplies generally are obtained from underlying bedrock or older drift
-  End moraine
Clayey till, containing scattered water-yielding sand and gravel lenses. Surface irregular; contains kettle holes, mainly inherited from underlying early Cary moraine. In northwest part of county deposits generally are underlain by older gravel and gravelly till
- KENT TILL**
Ground moraine
Sandy, silty till, 20 to 40 feet thick, moderately to abundantly pebbly. Water supplies obtained from sand and gravel lenses in till or from underlying bedrock
-  End moraine, till phase
Sandy to gravelly till 30 to 100 feet thick; contains sand and gravel lenses. Locally the till is underlain by sand and gravel. Except in the area west of Ravenna, moderately good to fair water supplies are available from the sand and gravel lenses and the underlying sand and gravel
-  End moraine, gravel phase
Sand and gravel lenses and included till masses; includes kame terraces near Mantua. Water supplies generally available from the sand and gravel
-  Sand and fine gravel
Low outwash terraces and outwash plains, composed of fine sand, partly of windblown origin, in Nelson, Windham, and Paris Townships. Sand is overlain locally by thin clayey till. Good water supplies available from the sand and fine gravel along Cuyahoga valley; elsewhere water supplies are variable

Recent
Late Cary
Wisconsin Glaciation
Early Cary
Early and Late Cary

QUATERNARY

-  Contact
Dashed where approximately located
-  Ledges
Sandstone, exposed or thinly covered by till, occurring as cliffs or steep slopes
-  Striations
Figure shows bearing in degrees east or west of South
-  Gravel pit, commercial
-  Gravel pit, small or abandoned
-  Sandstone quarry

MAP SHOWING GLACIAL DEPOSITS IN PORTAGE COUNTY, OHIO

Base from U.S. Geological Survey topographic quadrangles

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Hydrology by John D. Winslow

