Ground-Water Resources of Shelby County

by Richard J. Kostelnick

1:62,500 Scale in miles

Areas in which 10 to 30 GPM may be developed:
- Porous deposits and gravel materials in the Loess Bluffs and Turtle Creek flood plains may yield large supplies in areas proximal to active sources of water. Wells are generally advisable for such water sources. Large-capacity, high-rate, and high-yield wells are recommended to collect the most permeable materials.
- Deep sand and gravel deposits in areas proximal to active sources of water, including shallow water table, may yield substantial supplies of water. Wells are generally advisable for such water sources. Large-capacity, high-rate, and high-yield wells are recommended to collect the most permeable materials.
- Limestone aquifer: Principal water-bearing zone in the Lebanon formation. The Lebanon formation is a limestone that is susceptible to karstification. Springs and domestic supplies of water from the Lebanon formation may be developed from shallow wells.
- Shallow water table: Water table generally within 10 feet of the surface and often only substantial supplies of water 10 to 30 gallons per minute.

Areas in which 25 to 100 GPM may be developed:
- Limestone aquifer: Lower members of the Lebanon formation. 
- Limestone aquifer: upper members of the Lebanon formation.
- Limestone aquifer: all members of the Lebanon formation.
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- Limestone aquifer: all members of the Lebanon formation.

Areas in which 10 to 25 GPM may be developed:
- Carbonate aquifer: near ancestral valley walls.
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- Carbonate aquifer: near ancestral valley walls.

Areas in which 1 to 10 GPM may be developed:
- Limestone aquifer: near ancestral valley walls.
- Limestone aquifer: near ancestral valley walls.
- Limestone aquifer: near ancestral valley walls.

Formations:
- SGL - Sand and Gravel
- LBL - Limestone
- SH - Shale
- GL - Gneiss
- CL - Clay

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Cartography: Douglas E. Kent

Ohio Department of Natural Resources

(Additional information and data may be obtained from the Division of Water.)