



Base from U.S. Geological Survey
Lucas Co. 1:100,000, Wood Co. 1:100,000 (advance composites), and
Ohio Department of Transportation
Ottawa Co. 1:126,720, 1974; and Sandusky Co. 1:126,720, 1975

Town and city boundary approximations from
Ohio Department of Transportation County maps

POTENTIOMETRIC-SURFACE MAP OF THE CARBONATE AQUIFER IN
SILURIAN AND DEVONIAN ROCKS, LUCAS, SANDUSKY, AND
WOOD COUNTIES, NORTHWESTERN OHIO, JULY 1986

By Kevin J. Breen

1989

For sale by U.S. Geological Survey, Books and Open-File Reports Section
Box 25425, Federal Center, Denver, Co 80225

REFERENCES CITED

- Carman, J. E., 1946, The geologic interpretation of scenic features in Ohio: Ohio Journal of Science, v. 46, no. 5, p. 241-83.
- Fenneman, N. M., 1938, Physiography of the eastern United States: New York, McGraw-Hill, 714 p.
- Forsyth, J. L., 1968, A study of the physical features for the Toledo regional area: Toledo Regional Area Plan for Action Report 8.2, 111 p.
- Garber, M. S., and Koopman, F. C., 1968, Methods of measuring water levels in deep wells: U.S. Geological Survey Techniques of Water-Resources Investigations, chap. A1, book 8, 23 p.
- Heath, R. C., 1983, Basic ground-water hydrology: U.S. Geological Survey Water-Supply Paper 2220, 84 p.
- Janssens, A., 1970a, Middle Devonian rocks of north-central Ohio: Ohio Geological Society Annual Field Trip Guidebook, 30 p.
- 1970b, Middle Devonian formations in the subsurface of northwestern Ohio: Ohio Geological Survey Report of Investigations 78, 22 p.
- 1977, Silurian rocks in the subsurface of northwestern Ohio: Ohio Geological Survey Report of Investigations 100, 96 p.
- Shindel, H. L., Klingler, J. H., Mangus, J. P., and Trimble, L. E., 1986, Water resources data--Ohio, Water year 1986, vol. 2. U.S. Geological Survey Water-Data Report OH-86-2, 287 p.
- Walker, A. C., and others, 1970, Ground water for planning in northwest Ohio--a study of the carbonate rock aquifers: Ohio Department of Natural Resources, Ohio Water Plan Inventory Report 22, 63 p.