



Base maps: USGS National Mapping Division  
Cecilton, DE MD 1970; Middletown, DE, 1986  
Towers Bridge, DE MD, 1981

UTM GRID and 1986 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

Horizontal scale: same as map scale  
Vertical exaggeration: x10

Top of weathered  
basement near Fb33-10:  
-1395 (m)

## GEOHYDROLOGY OF THE MIDDLETOWN-ODESSA AREA, DELAWARE

BY  
Kenneth D. Woodruff  
1990

### CROSS-SECTION

### REFERENCES

- Boggs, D. H., and Adams, J. K., 1964, Water-table, surface drainage, and engineering soils map of the Middletown area, Delaware: U.S. Geological Survey Hydrologic Atlas HA-82.
- Higgins, M. W., and Conant, L. C., 1986, Geologic map of Cecil County: Maryland Geological Survey.
- Pickett, T. E., and Spojakic, N. S., 1971, Geology of the Middletown-Odesa area, Delaware: Delaware Geological Survey Geologic Map Series, No. 2.
- Spojakic, N. S., and Woodruff, K. D., 1970, Geology, hydrology, and geophysics of the Columbia sediments in the Middletown-Odesa area, Delaware: Delaware Geological Survey Bulletin 13, 156 p.
- Woodruff, K. D., 1981, Geohydrology of the Wilmington area, Delaware: Delaware Geological Survey Hydrologic Map Series, No. 3, Sheet 1: Basic Geology.
- , 1986, Geohydrology of the Chesapeake and Delaware Canal area, Delaware: Delaware Geological Survey Hydrologic Map Series, No. 6, Sheet 1: Basic Geology.

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