



Concentrated pumpage in the Milwaukee and Chicago areas has created deep cones of depression and is diverting ground water from Racine and Kenosha Counties. The principal recharge area is between the western ground-water divide and the western edge of the Maquoketa Shale.

Hydrology modified from Green and Hutchinson (1965), LeRoux (1963), and Sasman and others (1962).
Geology modified from Alden (1918), Green (1968), and Willman and others (1967). Data for October 1961

EXPLANATION

- 10
549
Water well
Showing serial number above line and altitude of piezometric surface, in feet above mean sea level, below line
- 700
Piezometric contour
Shows altitude of piezometric surface. Contour interval 50 feet on large map and 100 feet on small map. Datum is mean sea level
- Direction of ground-water movement
- Major ground-water divide
- Western edge of Maquoketa Shale
The area east of line is believed to be underlain by this aquiclude
- 0.21
Pumpage from deep wells in 1963
Area in circle is proportional to average daily pumpage—the larger the circle, the greater the pumpage. Dashed where estimated. Number is pumpage, in millions of gallons per day. Pumpage less than 0.05 million gallons per day is not shown

MAP SHOWING THE PUMPING CENTERS AND PIEZOMETRIC SURFACE OF THE SANDSTONE AQUIFER, OCTOBER 1963, SOUTHEASTERN WISCONSIN AND NORTHEASTERN ILLINOIS