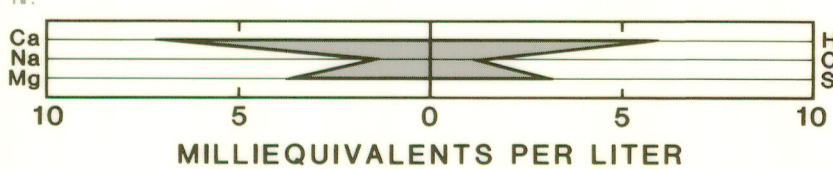


WATER LEVEL FLUCTUATIONS
IN A
DES MOINES VALLEY AQUIFER WELL

EXPLANATION

- OUTWASH DEPOSITS—Dark gray areas have 20 or more feet of saturated sand and gravel; light gray areas have less than 20 feet of saturated sand and gravel
- BEDROCK AND GLACIAL TILL—Not differentiated on geologic map or geologic sections
- CONTACT
- TEST HOLE—"X" denotes observation well and is accompanied by the location number. "C" denotes chemical sample
- GAGING STATION—Or other streamflow-measuring point



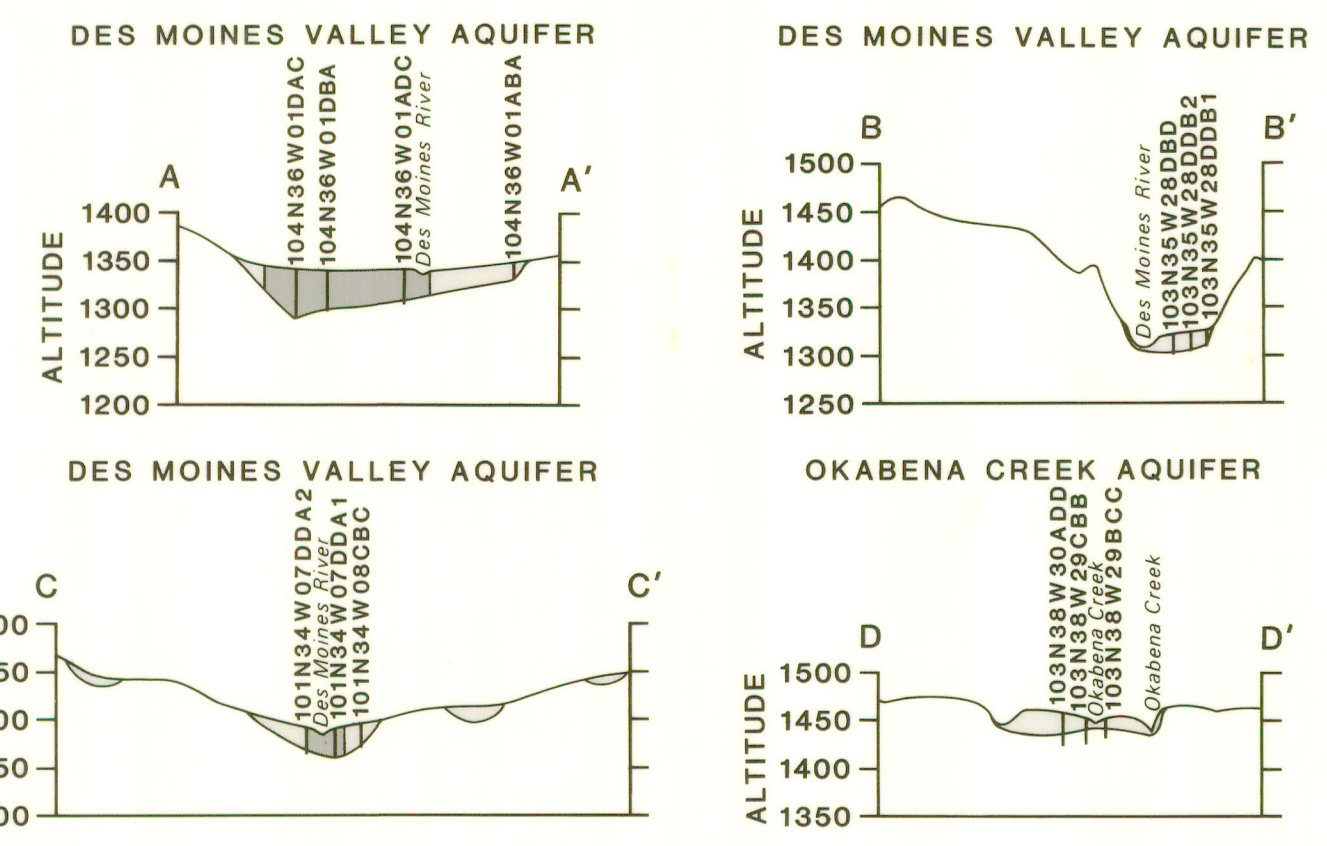
WATER-ANALYSIS PATTERN—Pattern is based on water analyses from indicated observation wells. Concentrations, in milliequivalents per liter, are plotted for calcium (Ca), sodium (Na), magnesium (Mg), bicarbonate (HCO₃), chloride (Cl), and sulfate (SO₄). The larger the area of the pattern the greater the dissolved-solids concentration

GEOLOGIC SECTIONS

Test holes are shown as vertical lines with location numbers

VERTICAL SCALE GREATLY EXAGGERATED

ALTITUDE, IN FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929



GEOLOGIC SECTIONS

HYDROGEOLOGY OF THE OUTWASH DEPOSITS IN JACKSON COUNTY, MINNESOTA