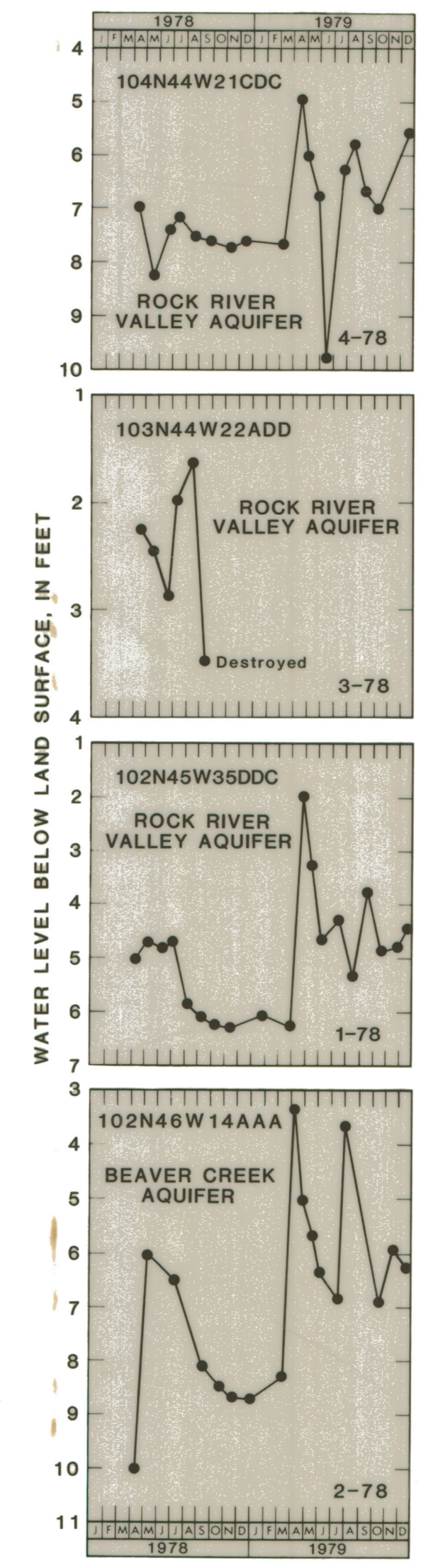
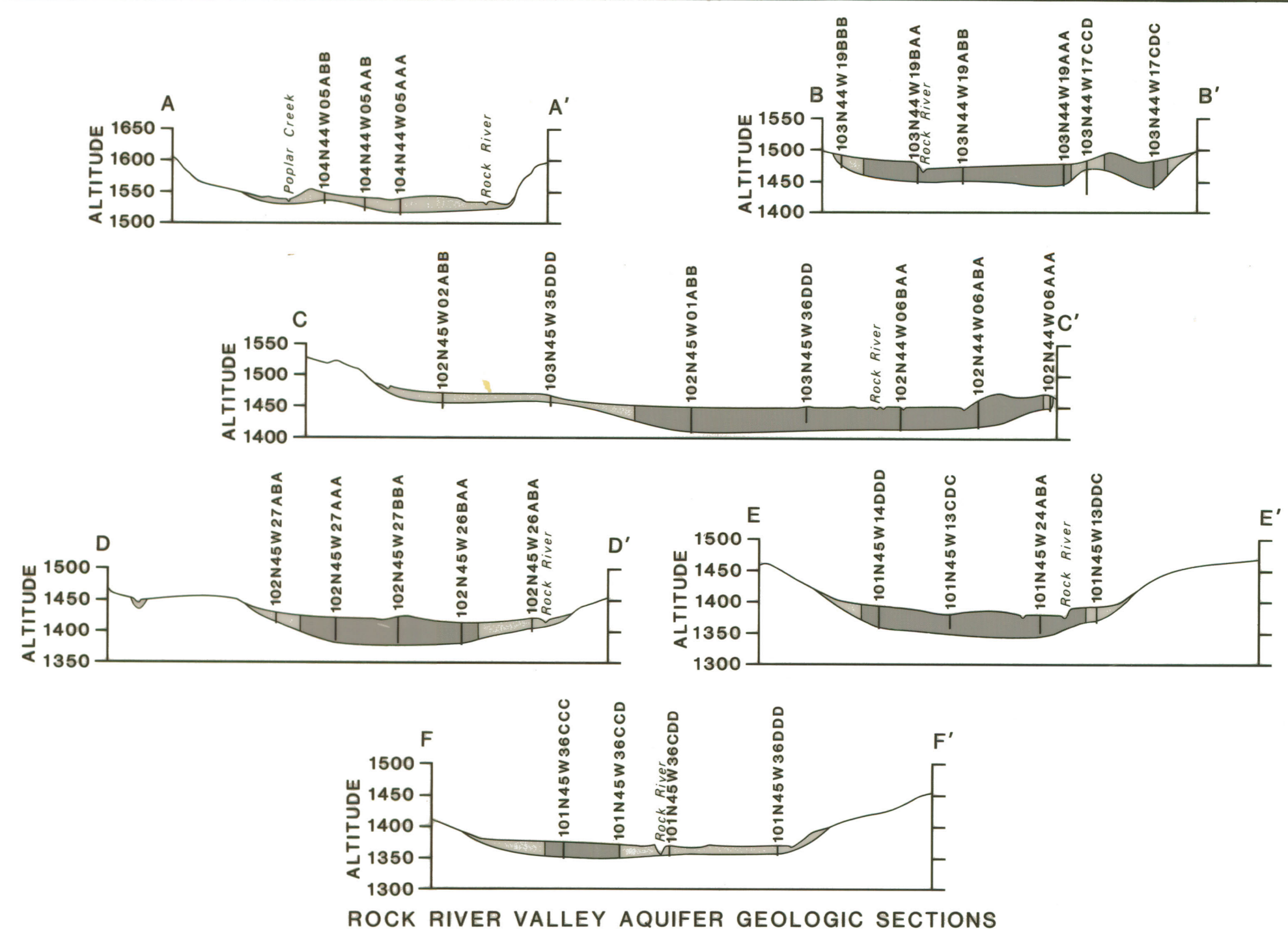


Base from Minnesota Department of Highways
General Highway Map of Rock County, 1980



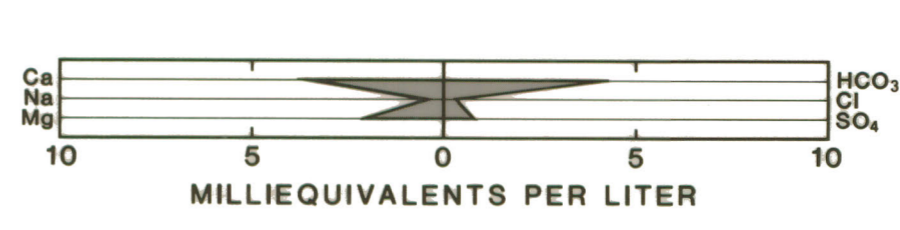
WATER LEVEL FLUCTUATIONS
IN FOUR WELLS



ROCK RIVER VALLEY AQUIFER GEOLOGIC SECTIONS

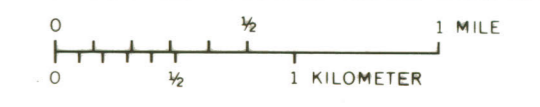
EXPLANATION

- 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—"\" denotes observation well and is accompanied by the location number. "C" denotes chemical sample
- AQUIFER-TEST WELL—Number denotes transmissivity, in feet squared per day



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

HYDROGEOLOGY OF THE OUTWASH DEPOSITS IN ROCK COUNTY, MINNESOTA