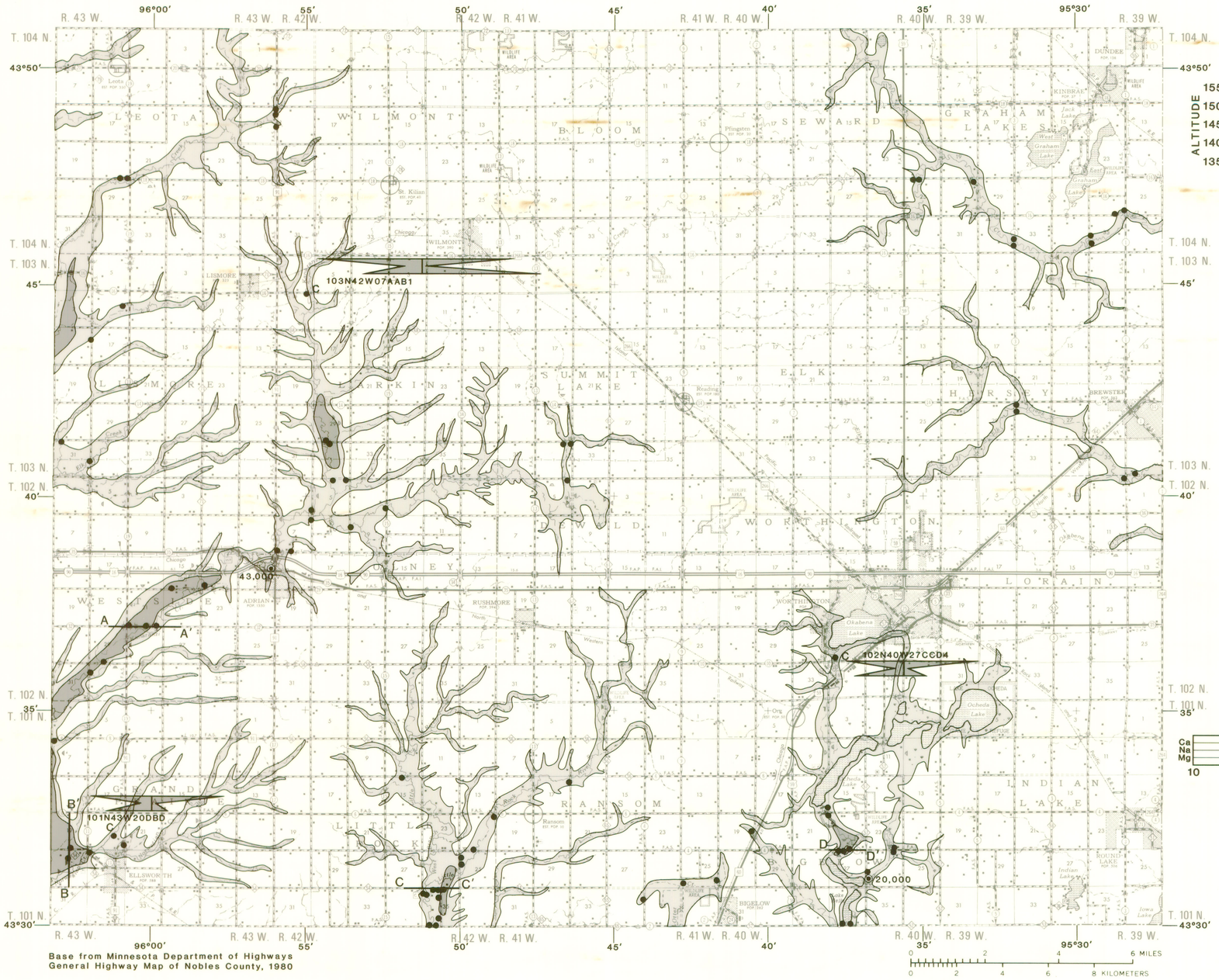
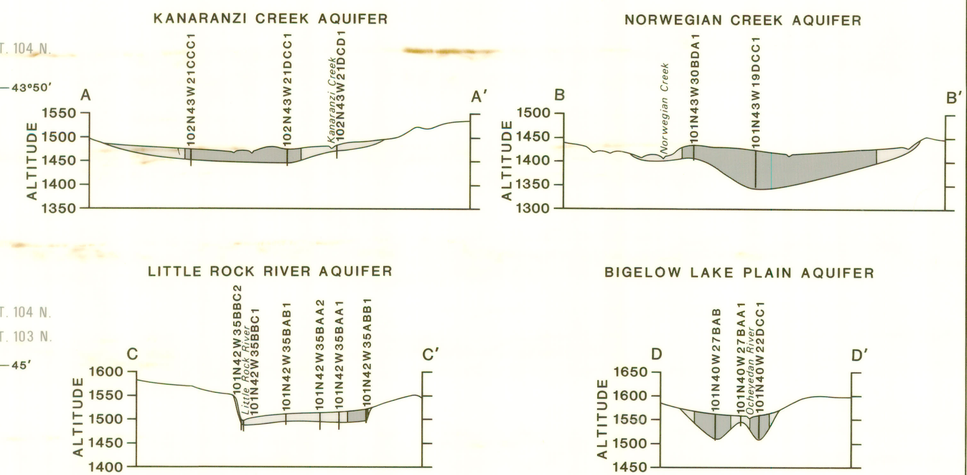




EXPLANATION

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

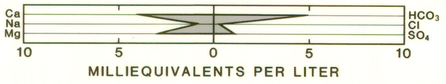
BEDROCK AND GLACIAL TILL–Not differentiated on geologic map or geologic sections

CONTACT

TEST HOLE–"C" denotes chemical sample

20,000 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 (HCO_3), chloride (Cl), and sulfate (SO_4). 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

0 ½ 1 MILE
0 ½ 1 KILOMETER

VERTICAL SCALE GREATLY EXAGGERATED

ALTITUDE, IN FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929

HYDROGEOLOGY OF THE OUTWASH DEPOSITS IN NOBLES COUNTY, MINNESOTA