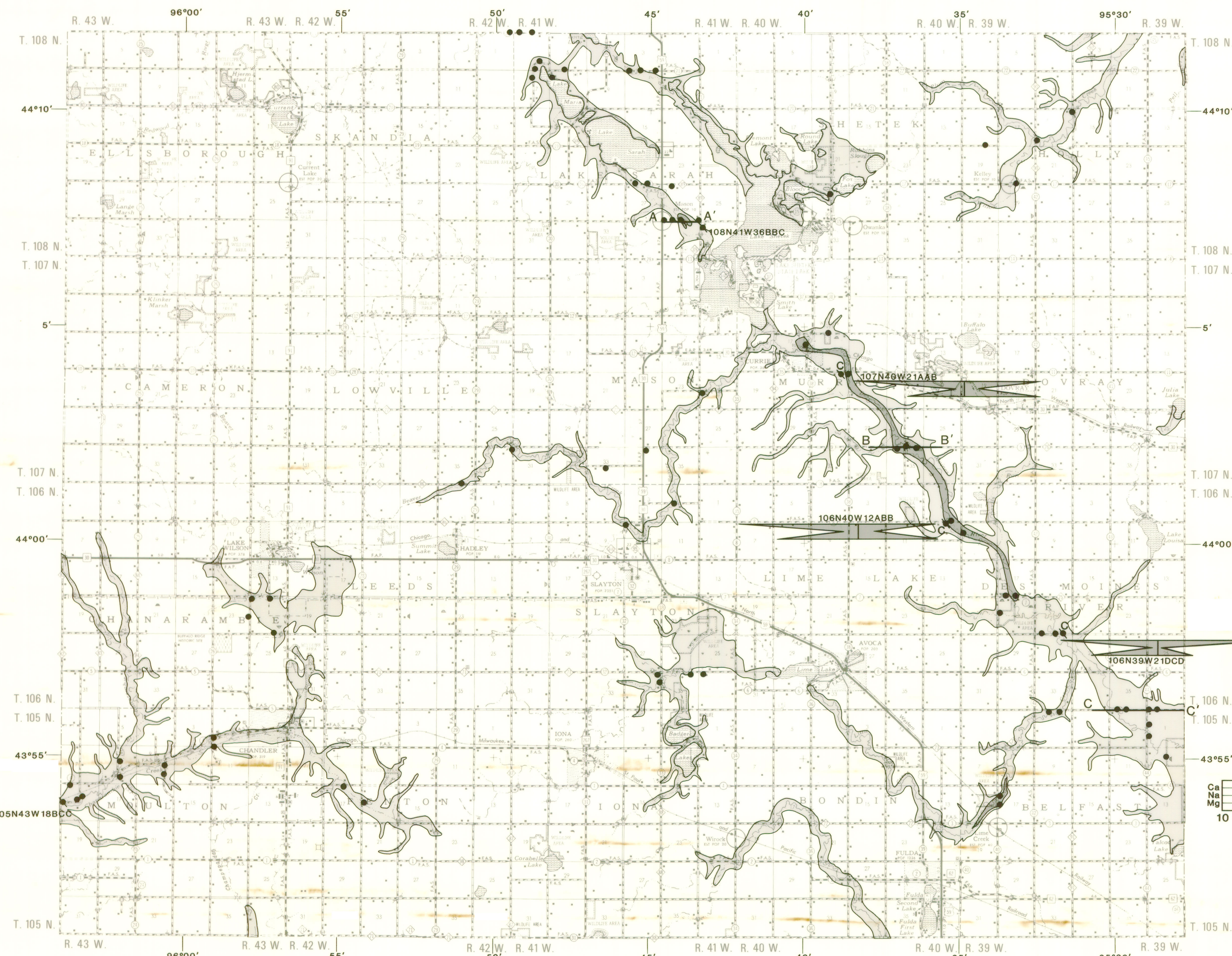
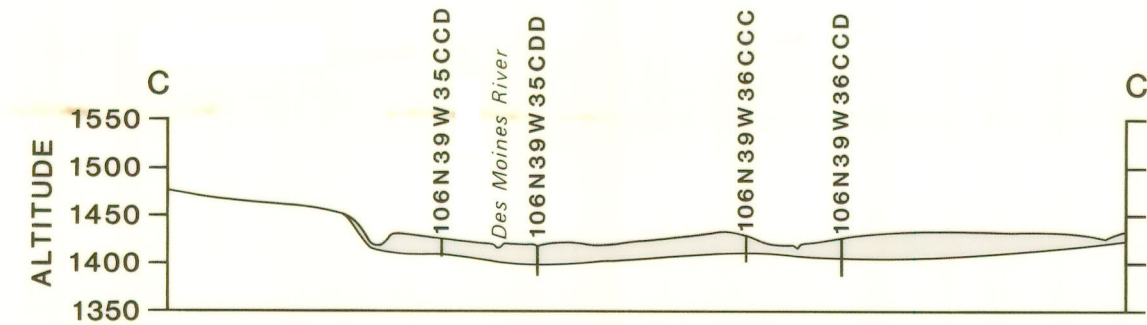
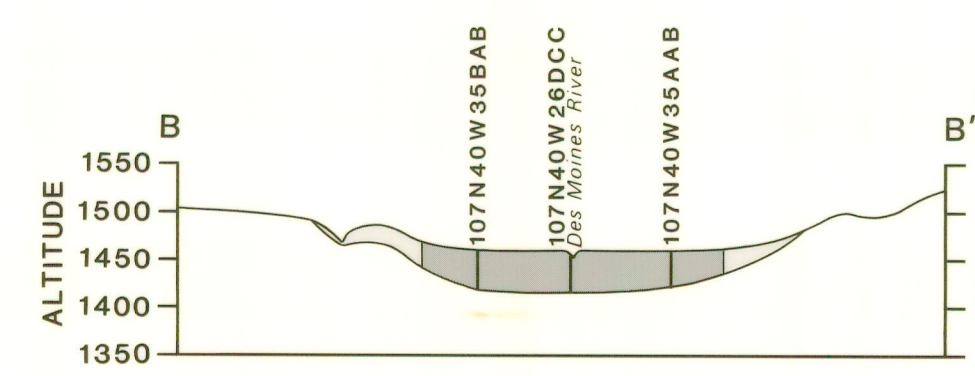
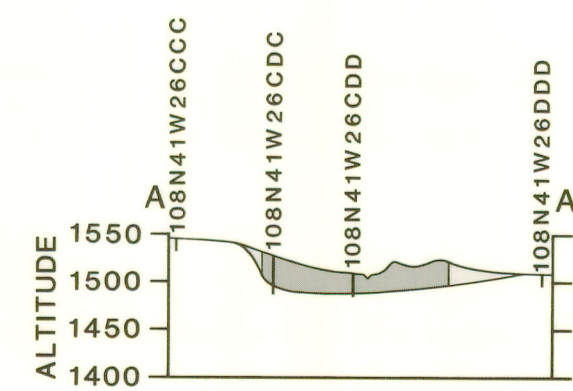


WATER LEVEL FLUCTUATIONS  
IN FIVE WELLS



Base from Minnesota Department of Transportation  
General Highway Map of Murray County, 1980



DES MOINES VALLEY AQUIFER GEOLOGIC SECTIONS

EXPLANATION

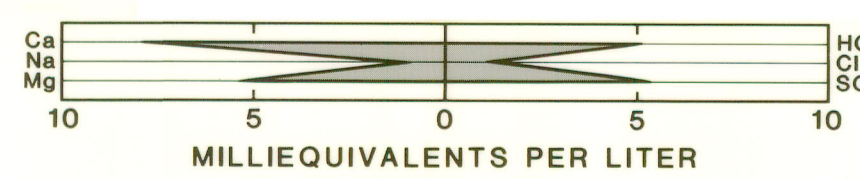
OUTWASH DEPOSITS—Dark gray areas have 20 or more feet of saturated sand and gravel; light gray areas have less than 20 feet of saturated sand and gravel

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

CONTACT

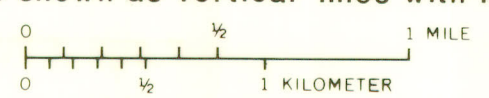
TEST HOLE—"•" denotes observation well and is accompanied by the location number. "C" denotes chemical sample

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<sub>3</sub>), chloride (Cl), and sulfate (SO<sub>4</sub>). 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 MURRAY COUNTY, MINNESOTA