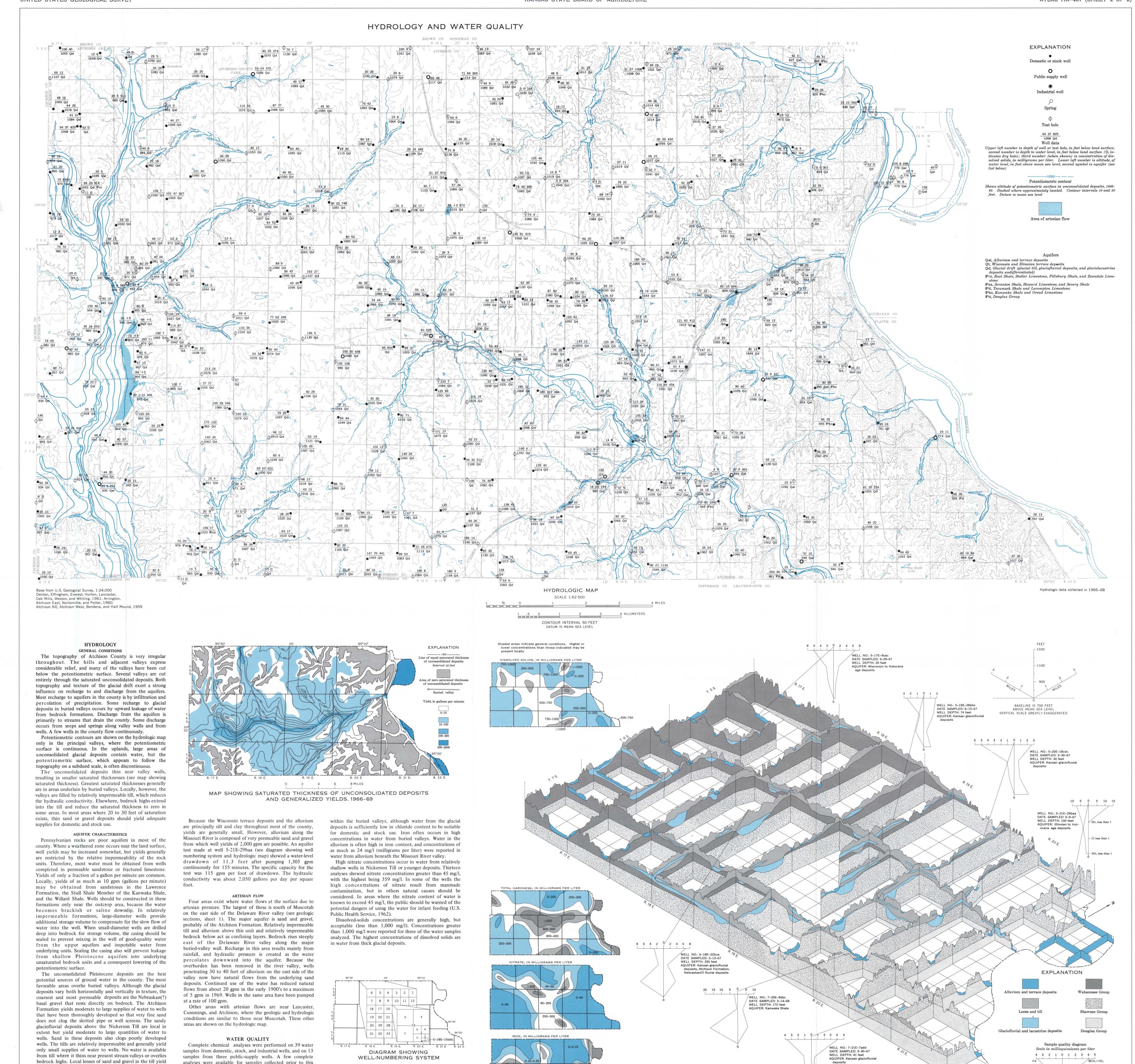
NA + K

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C.-1973-W72028

Note: Vertical lines indicate intersection of profiles or

change in direction of profiles

FENCE DIAGRAM SHOWING CORRELATION OF STRATIGRAPHY AND MAPS AND DIAGRAMS SHOWING WATER QUALITY



analyses were available for samples collected prior to this

study. In addition, 21 partial analyses were made on water

from domestic and stock wells. The various wells are

completed in bedrock, glacial drift, and alluvial aquifers. A

summary of the concentrations of selected dissolved-mineral

constituents is shown on the correlation of stratigraphy and

water-quality diagram. Most of the water is of the calcium

bicarbonate type. Although hard, it generally can be softened

by simple treatment. The analyses indicate that water flows

from bedrock containing saline water to glacial deposits deep

small supplies of water to wells. Because of the isolated

nature of these deposits, recharge is not great and prolonged

pumping may exhaust the supply. The Nortonville Clay and

loess capping the uplands are relatively impermeable and

The Illinoian(?) terrace deposits are somewhat sandy and

yield small supplies of water. Loesslike deposits high on the

valley walls along tributaries of the Missouri River yield no

yield no water to wells.

water to wells.