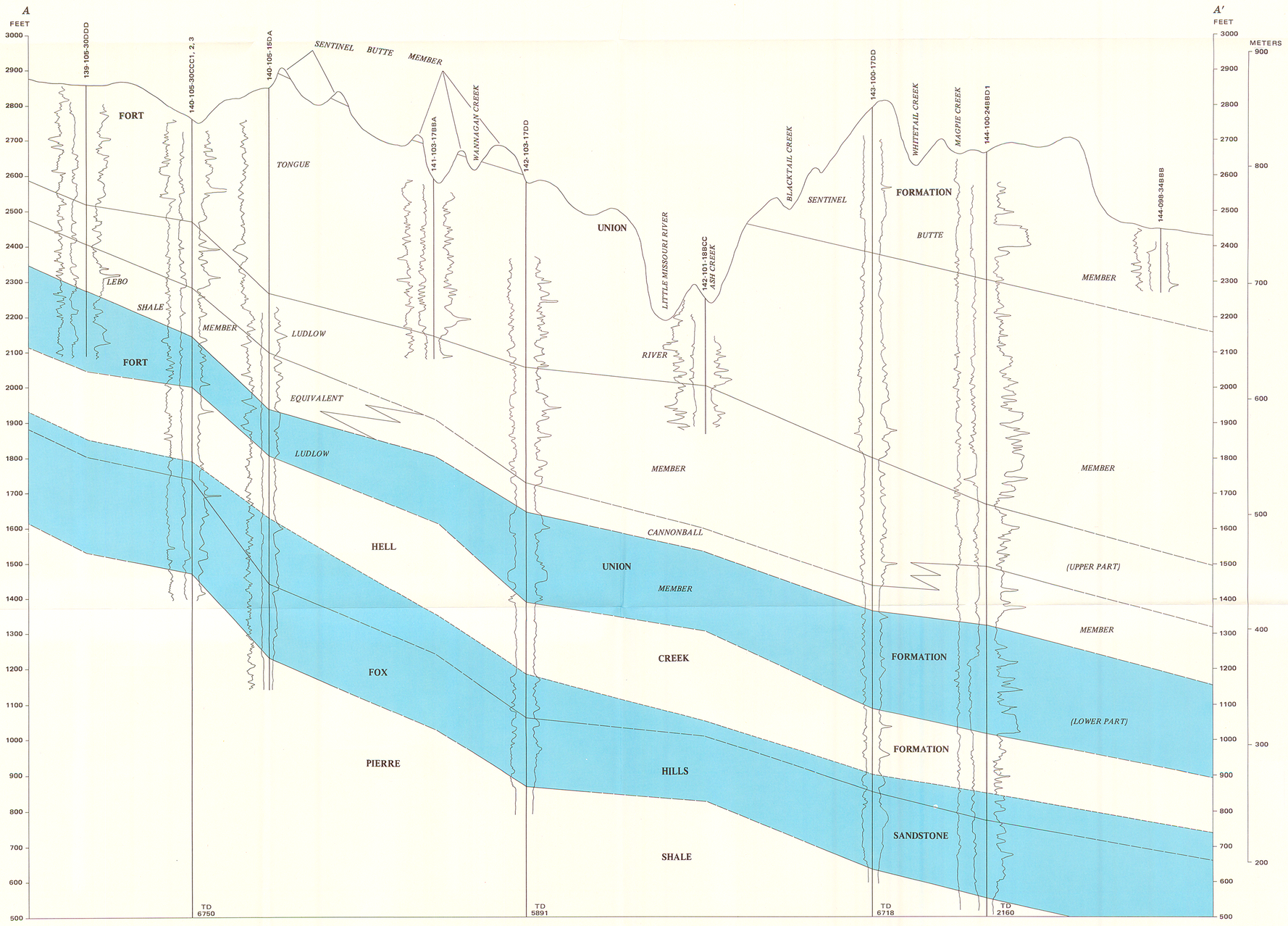
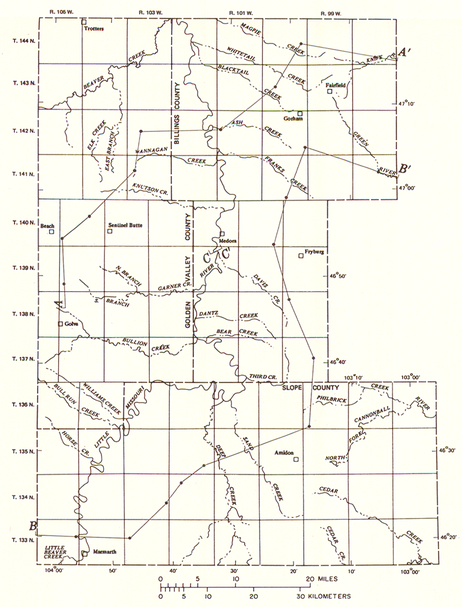
PREPARED BY THE UNITED STATES GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH DAKOTA STATE WATER COMMISSION, NORTH DAKOTA GEOLOGICAL SURVEY, UNITED STATES FOREST SERVICE, UNITED STATES PARK SERVICE, BILLINGS COUNTY WATER MANAGEMENT DISTRICT, GOLDEN VALLEY COUNTY WATER MANAGEMENT DISTRICT, AND SLOPE COUNTY WATER MANAGEMENT DISTRICT






MAP OF BILLINGS, GOLDEN VALLEY, AND SLOPE COUNTIES SHOWING LOCATIONS OF SELECTED WELLS AND TRACES OF THREE HYDROGEOLOGIC SECTIONS

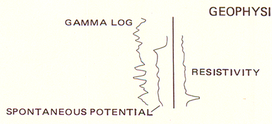
## EXPLANATION

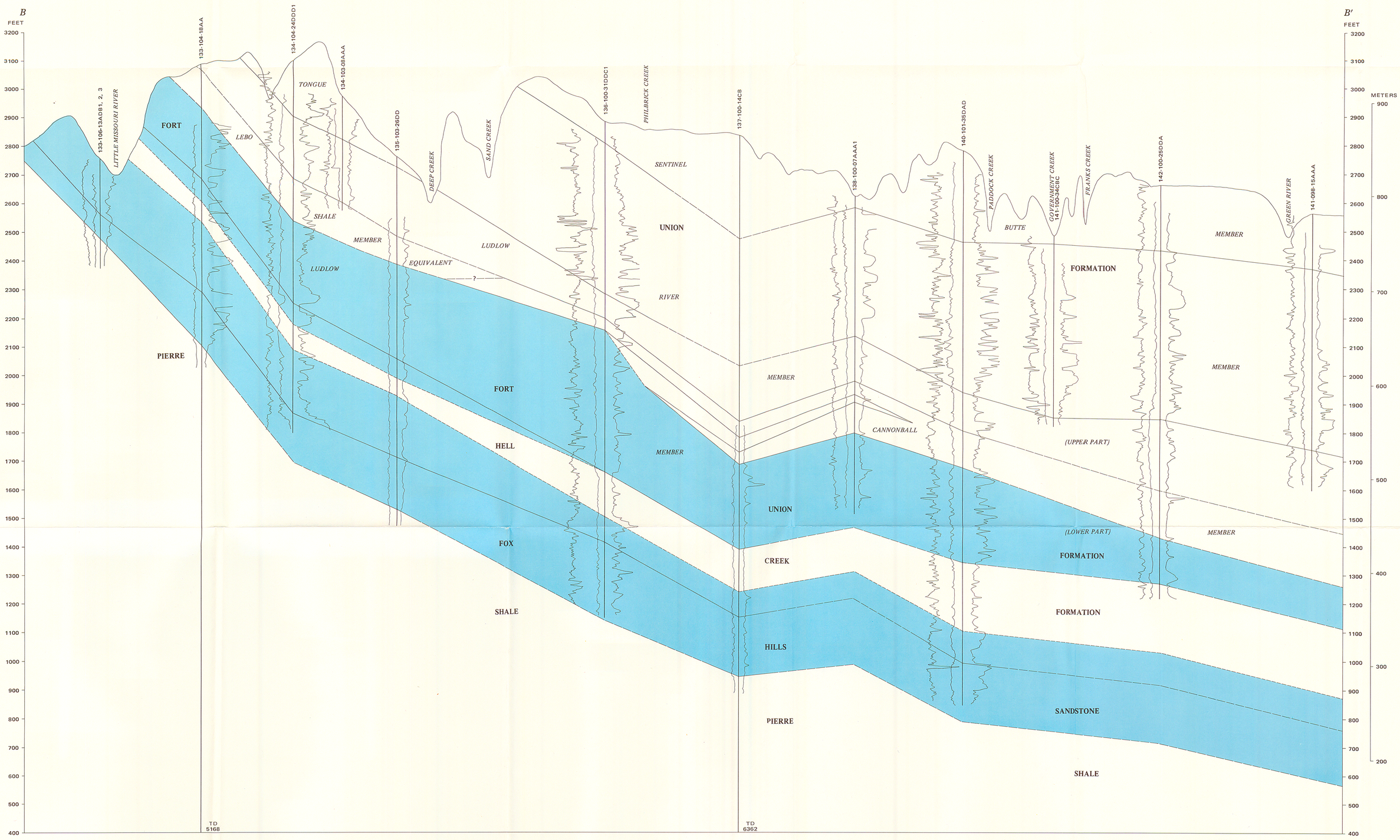
MAJOR AQUIFER SYSTEM

AQUIFER CONTACT

FORMATION CONTACT—Dashed where approximately located. Alluvium is included as bedrock

GEOPHYSICAL LOGS




HYDROGEOLOGY BY L. O. ANNA, 1978

0 4 8 12 16 MILES
0 4 8 12 16 20 24 KILOMETERS

VERTICAL SCALE GREATLY EXAGGERATED
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

# PLATE 1.--HYDROGEOLOGIC SECTIONS, BILLINGS, GOLDEN VALLEY, AND SLOPE COUNTIES, NORTH DAKOTA