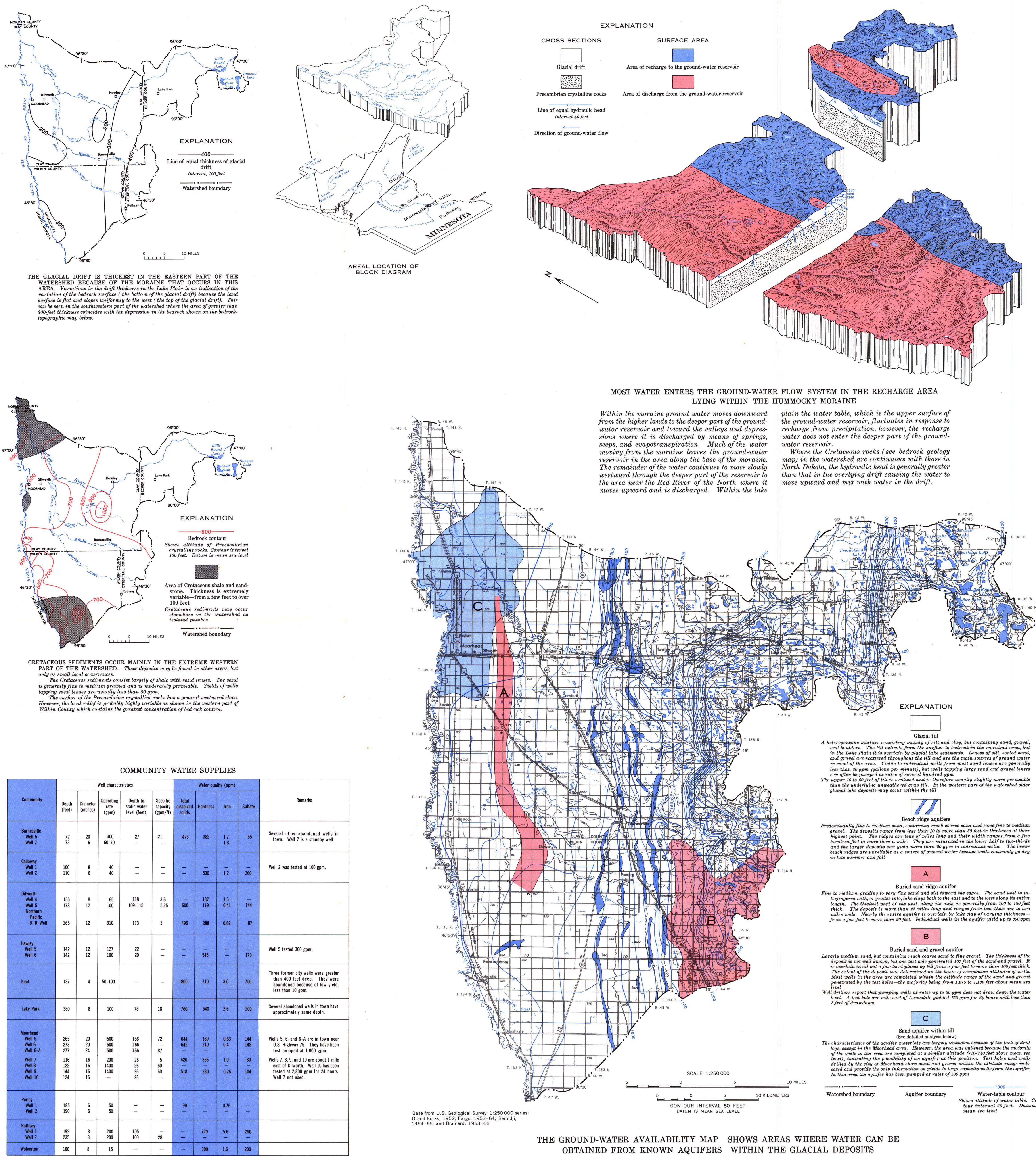


GROUND WATER

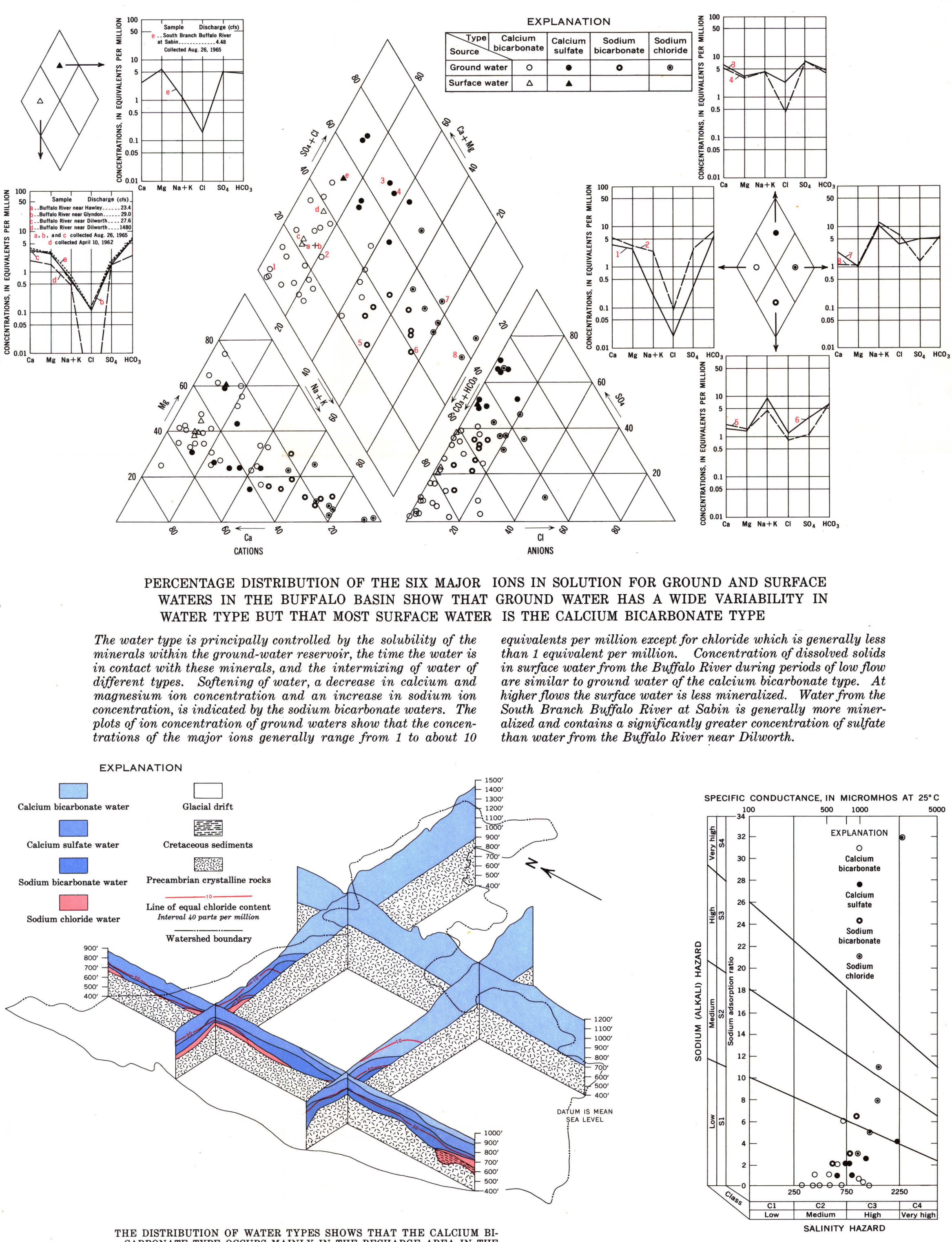


THE GROUND-WATER AVAILABILITY MAP SHOWS AREAS WHERE WATER CAN BE OBTAINED FROM KNOWN AQUIFERS WITHIN THE GLACIAL DEPOSITS

The water-table contours indicate that very little ground water is diverted to tributaries of the Red River of the North in the lake plain area. However, in the moraine area east of

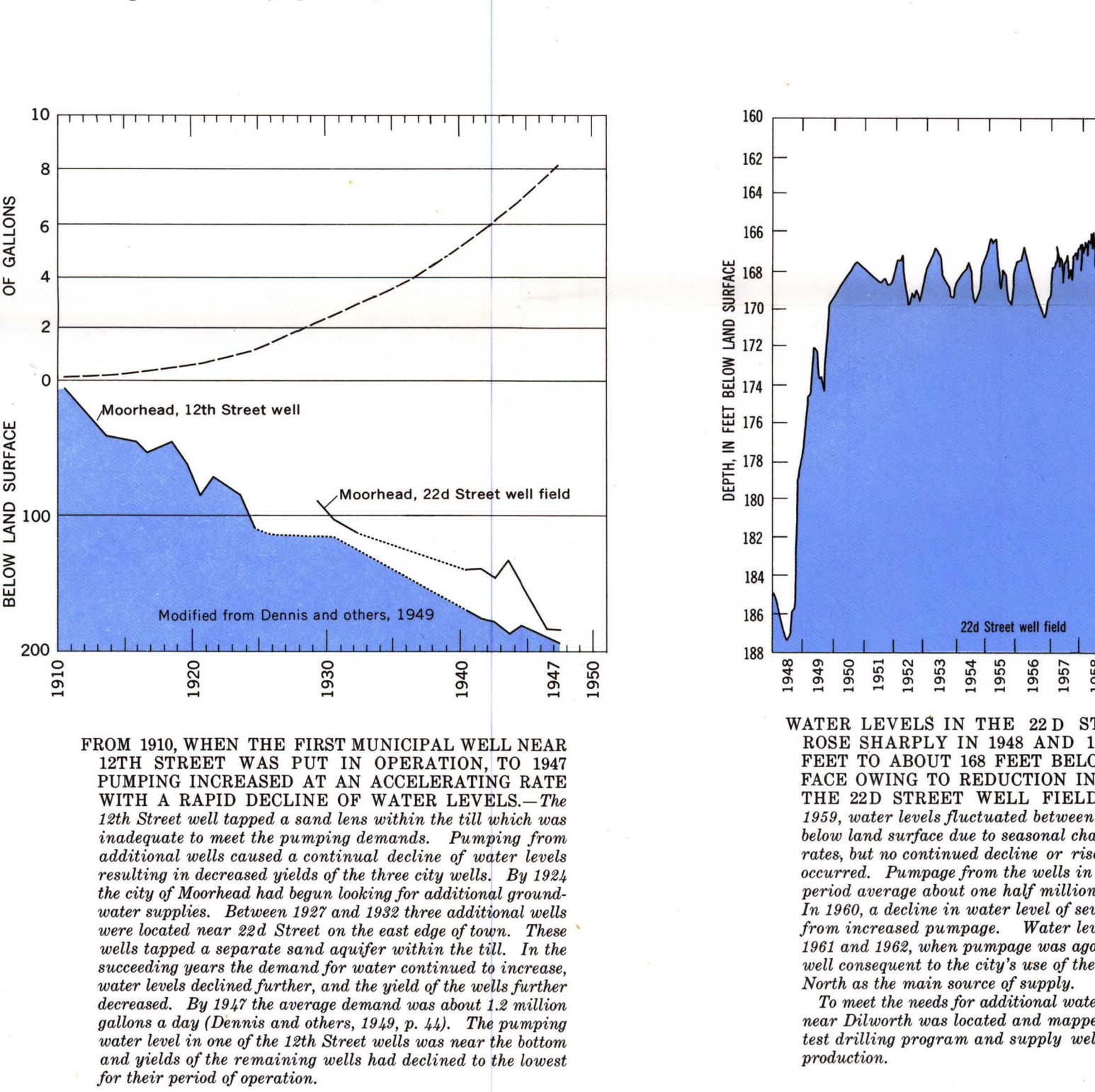
Hayley the ground water moves to the Buffalo River as indicated by the large upstream bends in the water-table contours.

WATER QUALITY



GROUND-WATER DEVELOPMENT IN THE MOORHEAD AREA

Ground-water development in the Moorhead area is one of the largest in the Red River Valley within Minnesota. Sustained yields are not large because the lake clay greatly reduces local recharge to the underlying drift aquifers in the Moorhead area. In other areas of the plain of Glacial Lake Agassiz similar geologic conditions will limit sustained yield.



WATER RESOURCES OF THE BUFFALO RIVER WATERSHED, WEST-CENTRAL MINNESOTA

By
R. W. Maclay, L. E. Bidwell, and T. C. Winter
1969