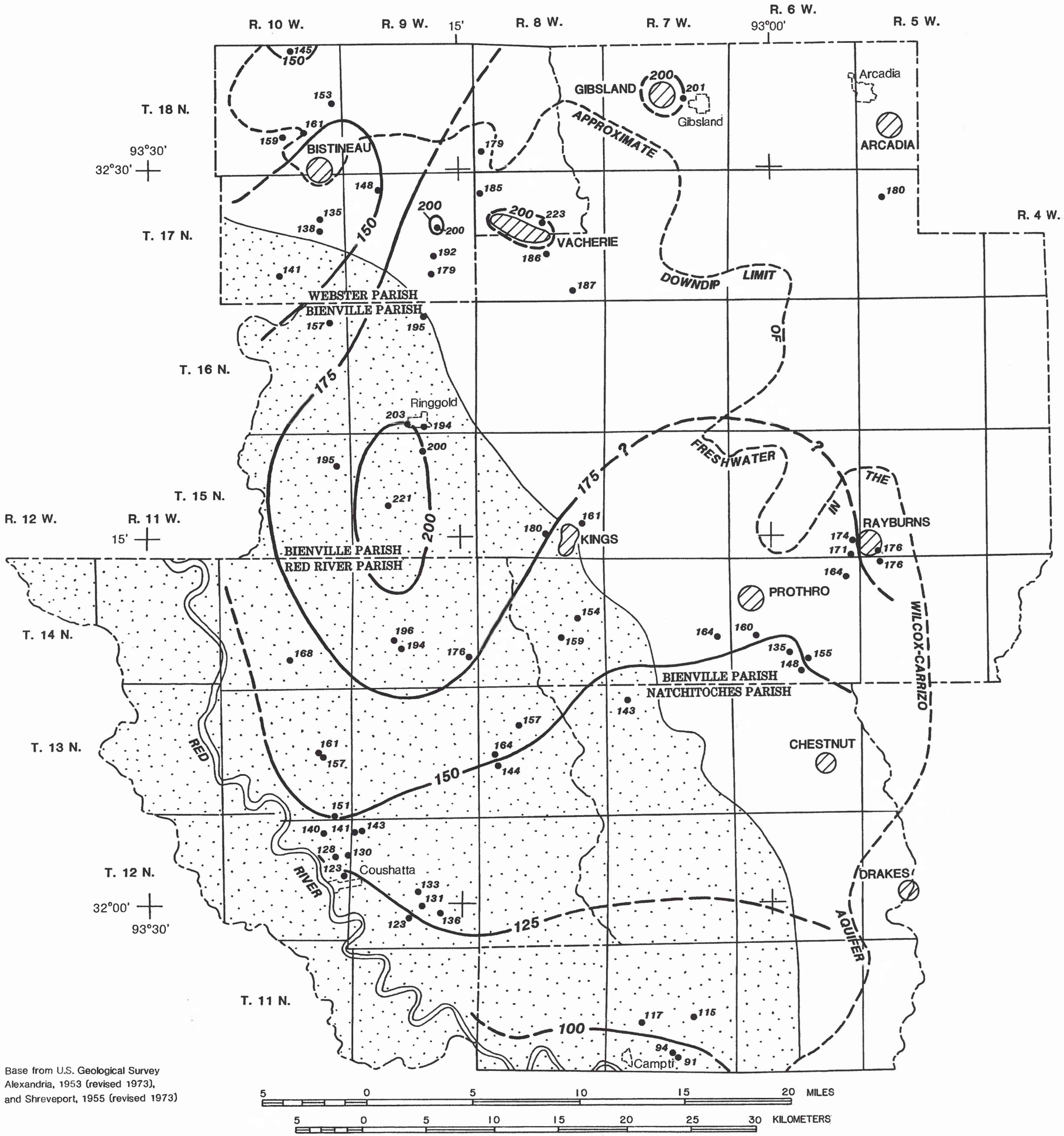
DEPARTMENT OF INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE MAP 80-1179



Base from U.S. Geological Survey
Alexandria, 1953 (revised 1973),
and Shreveport, 1955 (revised 1973)

5 0 5 10 15 20 MILES

5 0 5 10 15 20 25 30 KILOMETERS

Index map of Louisiana

EXPLANATION

PROTHRO

Salt dome

Outcrop and subcrop of Wilcox-Carrizo aquifer

The Wilcox Group (Paleocene-Eocene age) is hydraulically interconnected with the Carrizo Sand (Eocene age); therefore, the two units are mapped as one hydrologic unit

——100——?—

POTENTIOMETRIC CONTOUR--Shows altitude to which water will rise in wells. Dashed where approximately located, queried where uncertain. Contour interval 25 feet. Datum is National Geodetic Vertical Datum of 1929 (formerly called Mean Sea Level Datum of 1929). Water-level data used for the map were collected 1960-80. The Wilcox-Carrizo aquifer is not affected by regional water-level declines because no large pumping centers have been developed. Water levels at pumping centers where local declines are occurring were not used. Seasonal water-level fluctuations in wells are generally less than 10 feet annually

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CONTROL POINT--Number is altitude of water level in well used as control

POTENTIOMETRIC SURFACE OF THE WILCOX-CARRIZO AQUIFER; BIENVILLE, RED RIVER, NORTHERN NATCHITOCHES, AND SOUTHERN WEBSTER PARISHES, LOUISIANA

by G.N. Ryals