

INTRODUCTION

The purpose of this report, which was prepared in cooperation with the City of Houston and the Harris-Galveston Coastal Subsidence District, is to show the altitudes of water levels in wells in the Chicot and Evangeline aquifers in the Houston, Texas, metropolitan area. The maps are based on water-level measurements in the spring of 1987 in about 400 wells.

Both the Chicot and Evangeline aquifers are composed of several sand layers with different potentiometric surfaces. These maps, however, show approximations of single potentiometric heads. Maps showing the altitudes of water levels have been published in many reports on ground-water development in the Houston area, the most recent of which (Williams and others, 1986) presented maps of the altitudes of potentiometric surfaces for 1986.

REFERENCE CITED

Williams, J.F. III, Ranzau, C.E., Jr., and Coplin, L.S., 1986, Approximate altitude of water levels in wells in the Chicot and Evangeline aquifers in the Houston area, Texas, spring 1986: U.S. Geological Survey Open-File Report 86-306, 2 p.

EXPLANATION

—100— WATER-LEVEL CONTOUR—Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Contour interval 50 feet. National Geodetic Vertical Datum of 1929

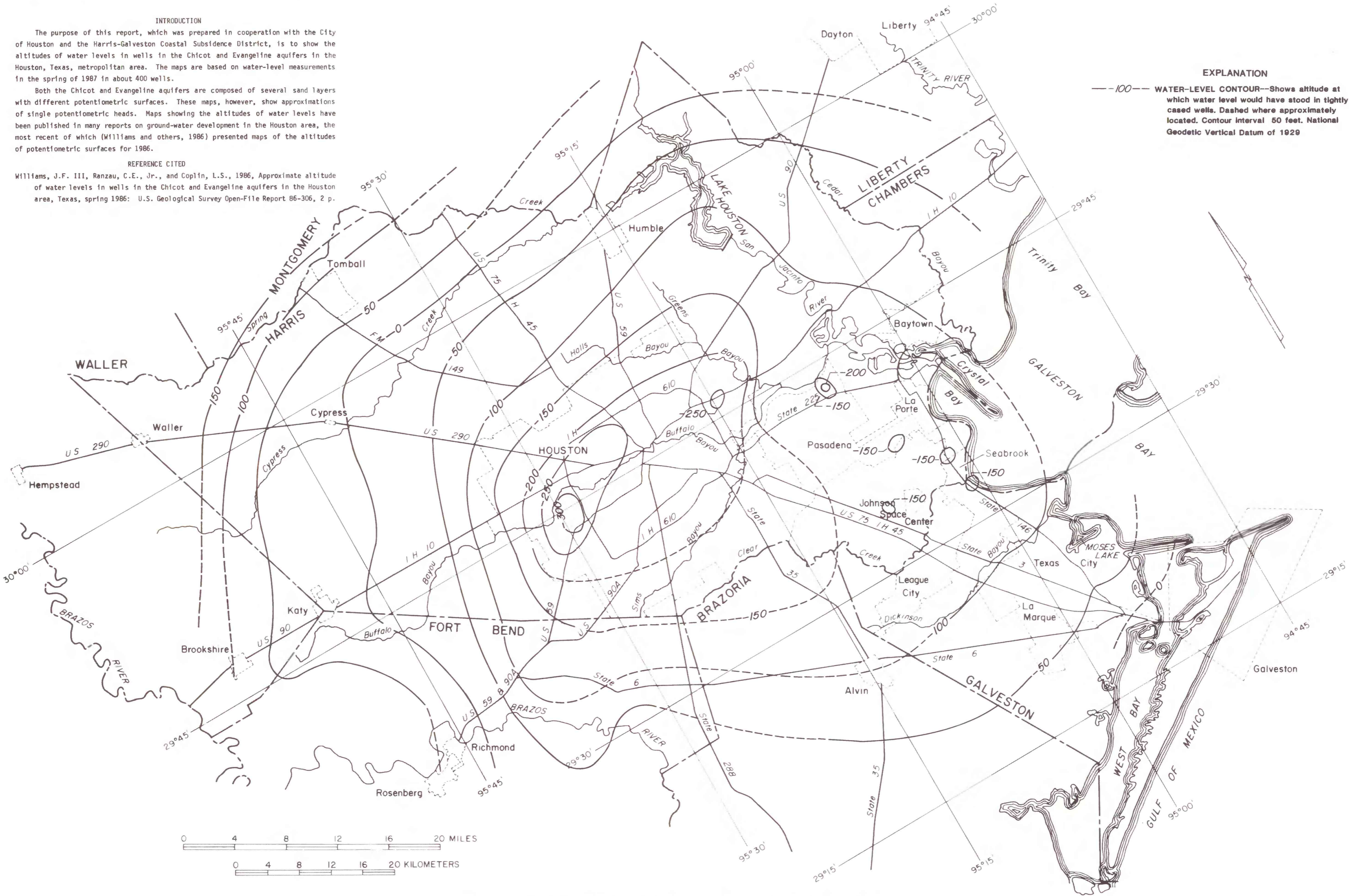


Figure 1.—Approximate altitude of water levels in wells in the Chicot aquifer, spring 1987

Base from Texas Department of  
Highways and Public Transportation  
General Highway Map

APPROXIMATE ALTITUDE OF WATER LEVELS IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS IN THE HOUSTON AREA, TEXAS, SPRING 1987

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