

PREPARED IN COOPERATION WITH THE
CITY OF HOUSTON
AND THE
HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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 approximate altitude of water levels in wells in the Chicot and Evangeline aquifers in the Houston area, Texas. The maps are based on water-level measurements in spring of 1986 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 the potentiometric surfaces. The maps are based on water-level measurements in spring of 1986 in about 400 wells.

REFERENCE CITED

Kennau, C. E., Jr., 1984, Approximate altitude of water levels in wells in the Chicot and Evangeline aquifers in the Houston area, Texas, spring 1984: U.S. Geological Survey Open-File Report 84-106.

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

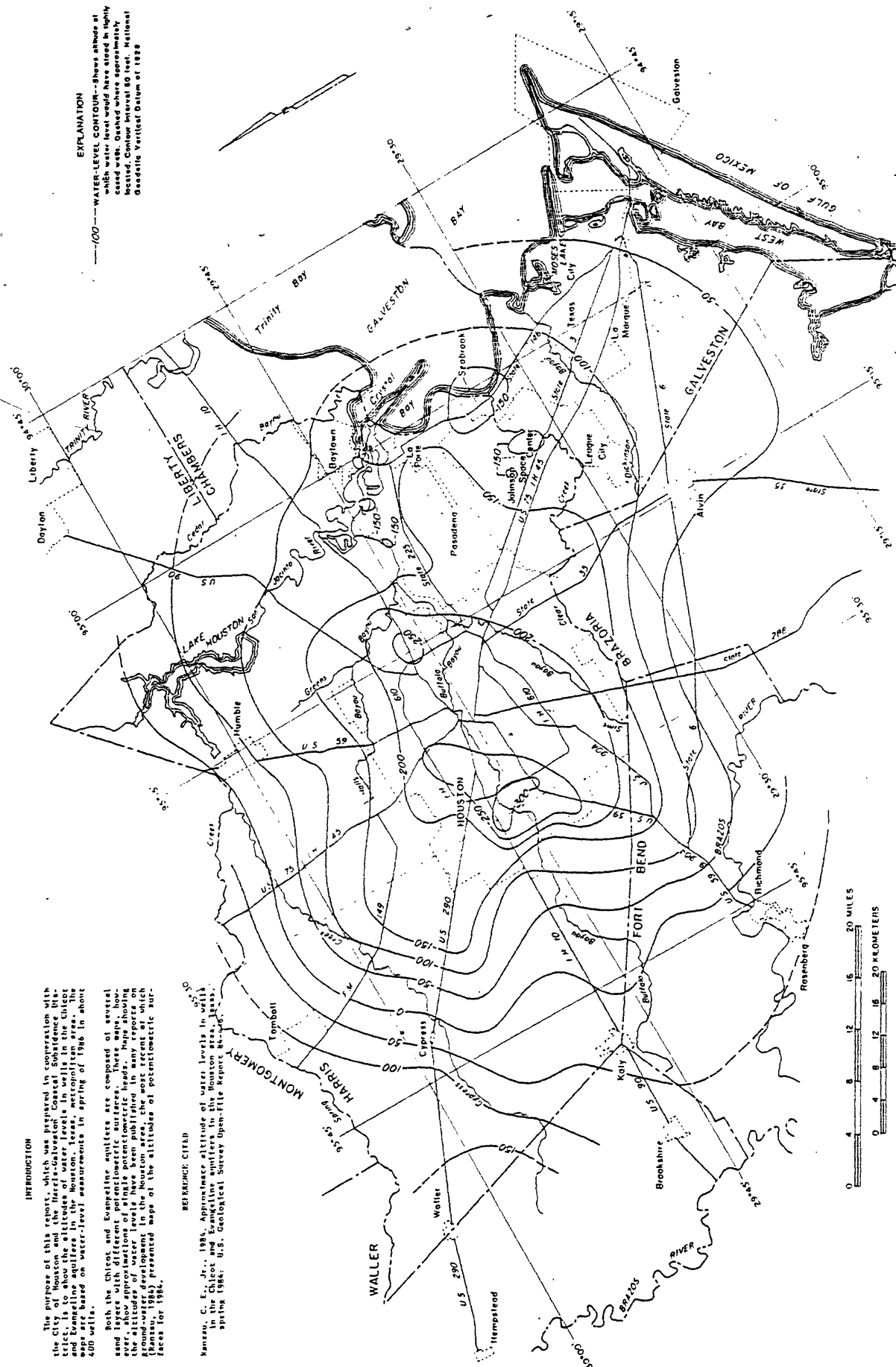


Figure 1.--Approximate altitude of water levels in wells in the Chicot aquifer, Spring 1986

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 1986

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JUNE 1986

EXPLANATION

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

