

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

**APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE
CHICOT AND EVANGELINE AQUIFERS IN THE HOUSTON-
GALVESTON REGION, TEXAS, 1977-80 AND 1979-80**

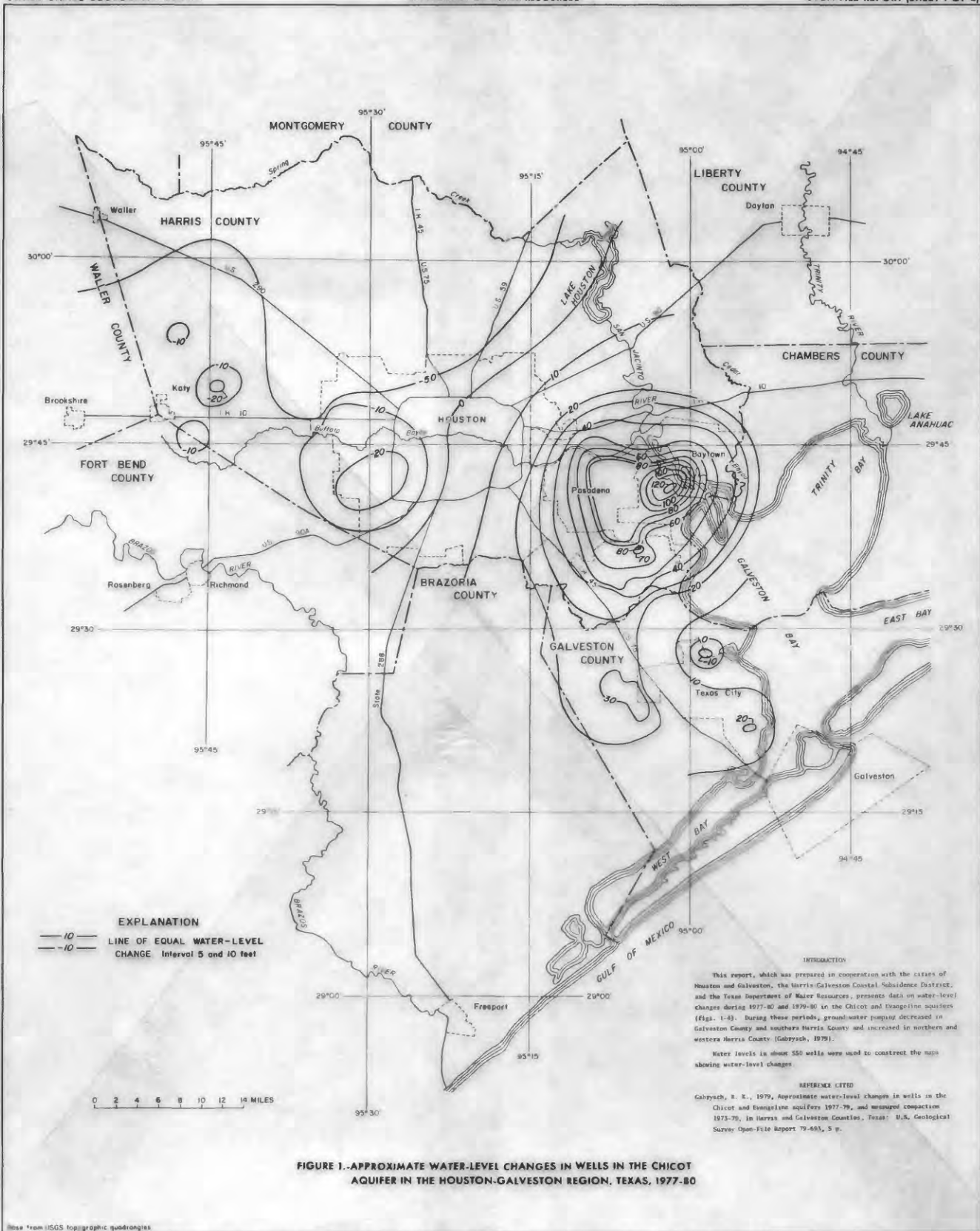
By

R. K. Gabrysch and C. E. Ranzau, Jr.

U.S. GEOLOGICAL SURVEY
OPEN-FILE REPORT 80-337



MARCH 1980



EXPLANATION
 — 10 — LINE OF EQUAL WATER-LEVEL CHANGE Interval 5 and 10 feet
 — 10 —

0 2 4 6 8 10 12 14 MILES

INTRODUCTION
 This report, which was prepared in cooperation with the cities of Houston and Galveston, the Harris-Galveston Coastal Subsidence District, and the Texas Department of Water Resources, presents data on water-level changes during 1977-80 and 1979-80 in the Chicot and Evangeline aquifers (figs. 1-3). During these periods, ground-water pumping decreased in Galveston County and southern Harris County and increased in northern and western Harris County (Gabrysch, 1979).
 Water levels in about 550 wells were used to construct the maps showing water-level changes.

REFERENCE CITED
 Gabrysch, R. E., 1979, Approximate water-level changes in wells in the Chicot and Evangeline aquifers 1977-79, and measured compaction 1973-79, in Harris and Galveston Counties, Texas: U.S. Geological Survey Open-File Report 79-463, 5 p.

FIGURE 1.—APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1977-80

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Base *from USGS topographic quadrangles

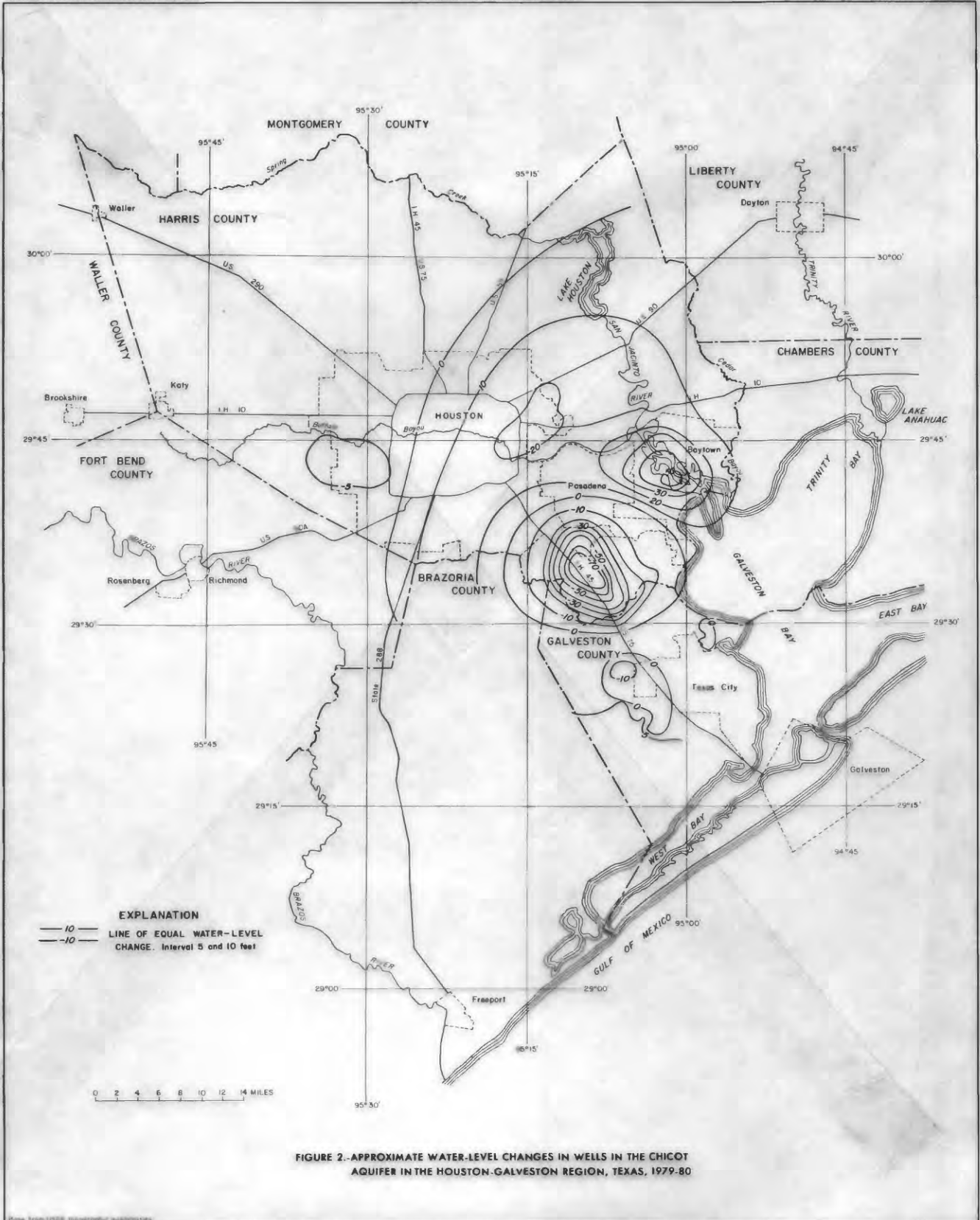


FIGURE 2. APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1979-80

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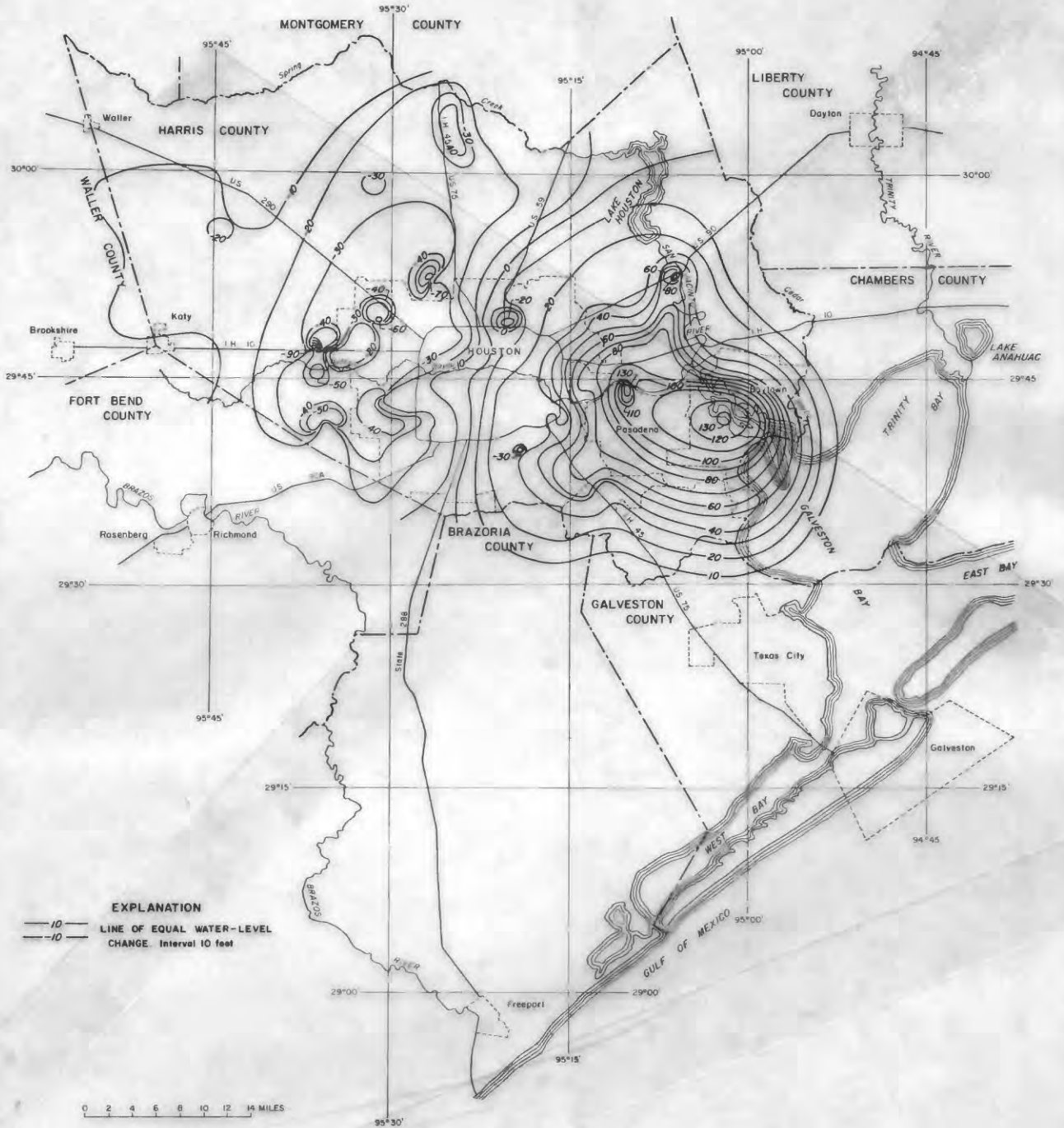


FIGURE 3. APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE EVANGELINE AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1977-80

Base from USGS topographic quadrangles

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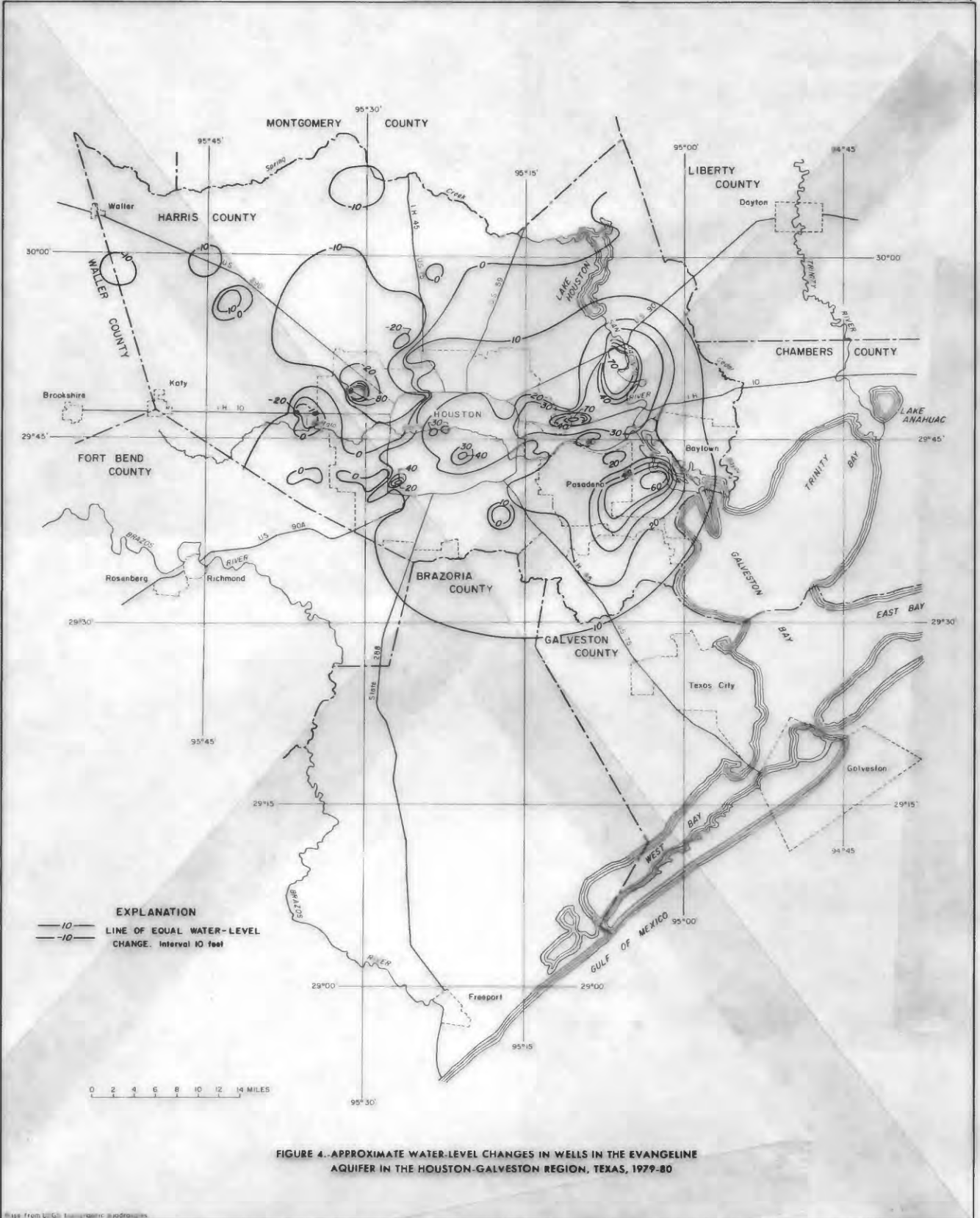


FIGURE 4. APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE EVANGELINE AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1979-80

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