

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

APPROXIMATE WATER-LEVEL CHANGES IN WELLS  
COMPLETED IN THE CHICOT AND EVANGELINE  
AQUIFERS, 1977-89 AND 1988-89, AND MEASURED  
COMPACTION, 1973-89, IN THE  
HOUSTON-GALVESTON REGION, TEXAS

DANA L. BARBIE, L.S. COPLIN, AND C.W. BONNET

U.S. GEOLOGICAL SURVEY  
OPEN-FILE REPORT 89-057



Prepared in cooperation with the CITY OF HOUSTON and  
the HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT

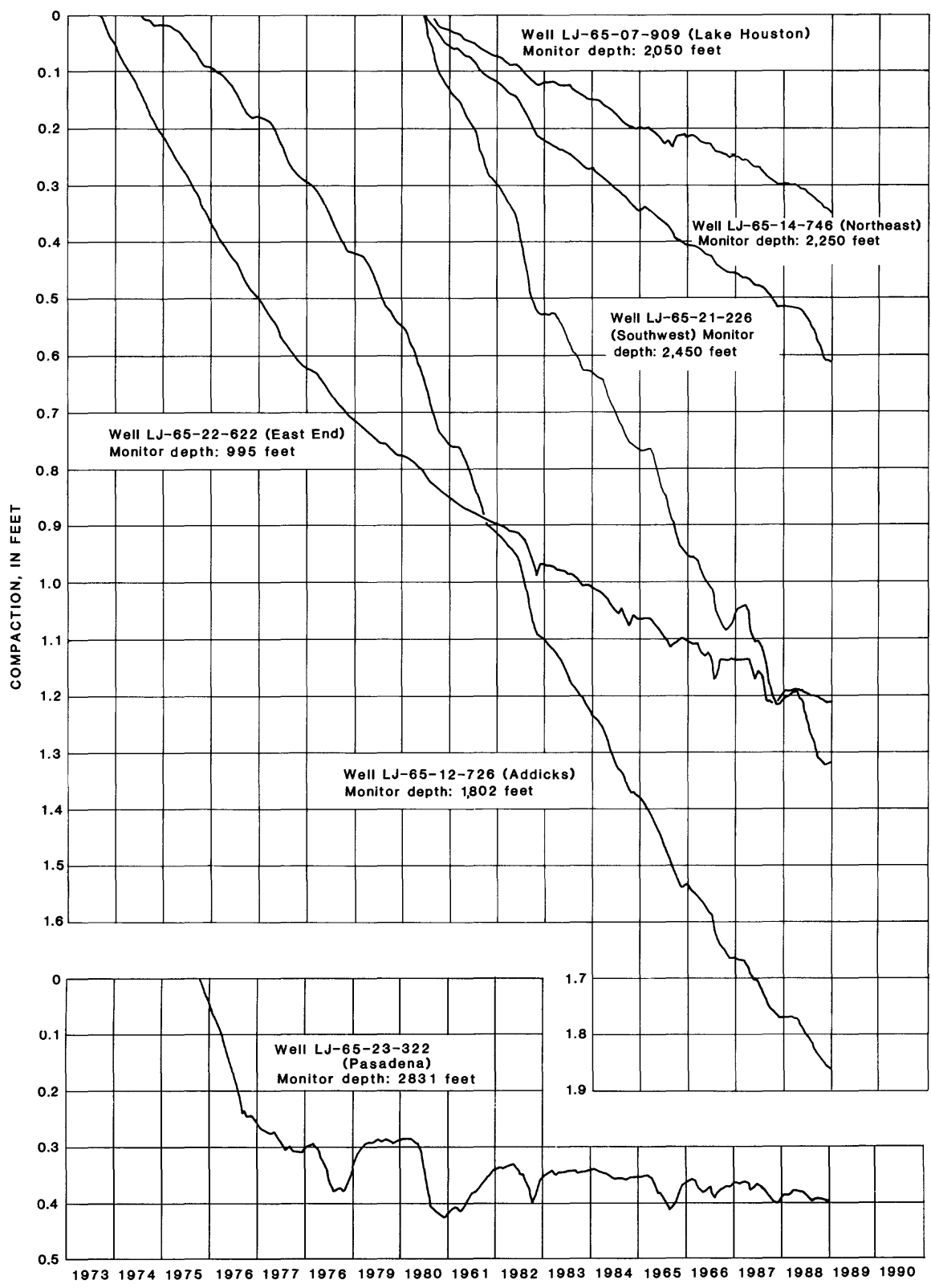


FIGURE 5A.--MEASURED COMPACTION, 1973-89

APPROXIMATE WATER-LEVEL CHANGES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-89 AND 1988-89, AND MEASURED COMPACTION, 1973-89, IN THE HOUSTON-GALVESTON REGION, TEXAS

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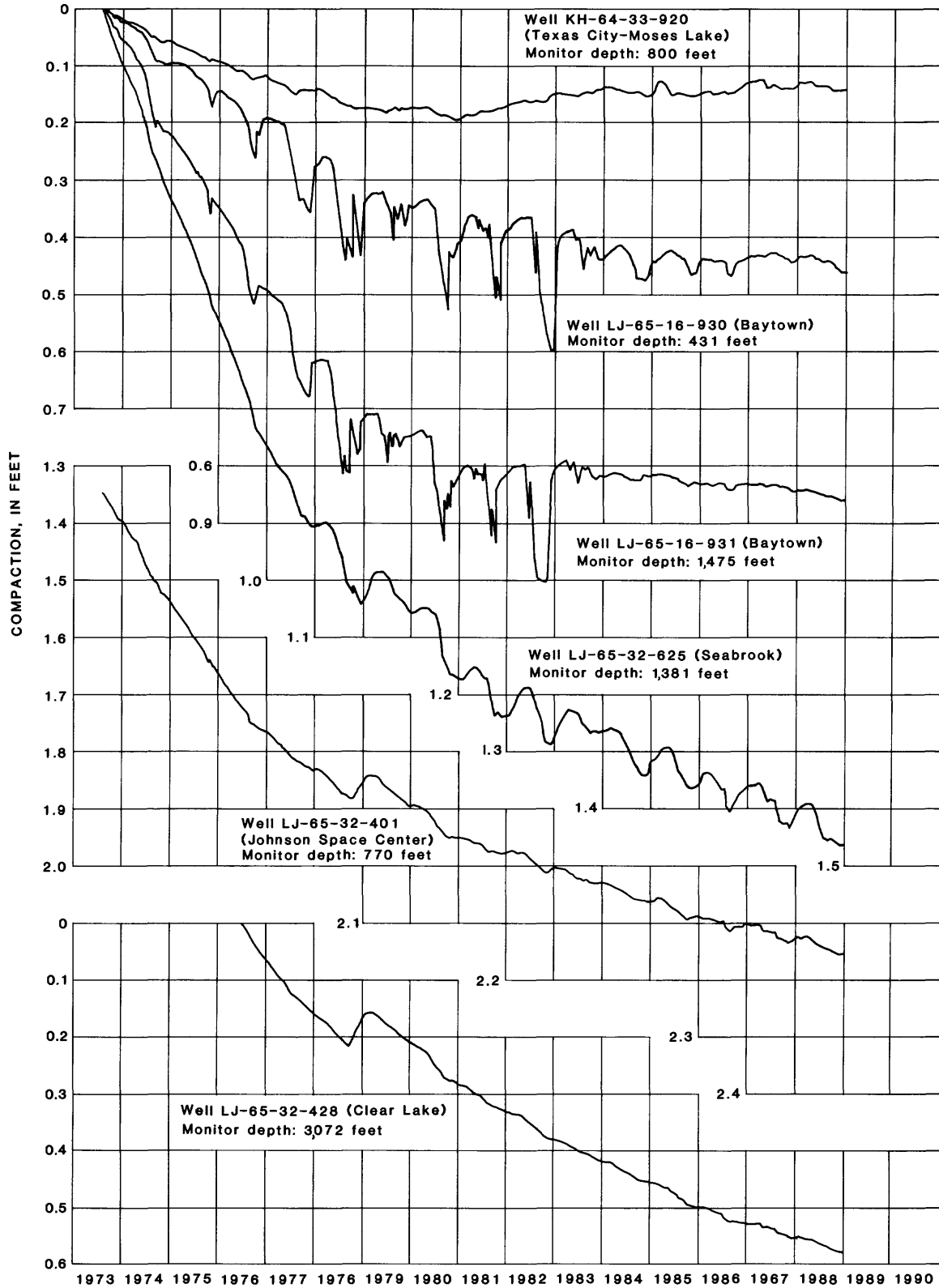


FIGURE 5B.--MEASURED COMPACTION, 1973-S9

APPROXIMATE WATER-LEVEL CHANGES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-89  
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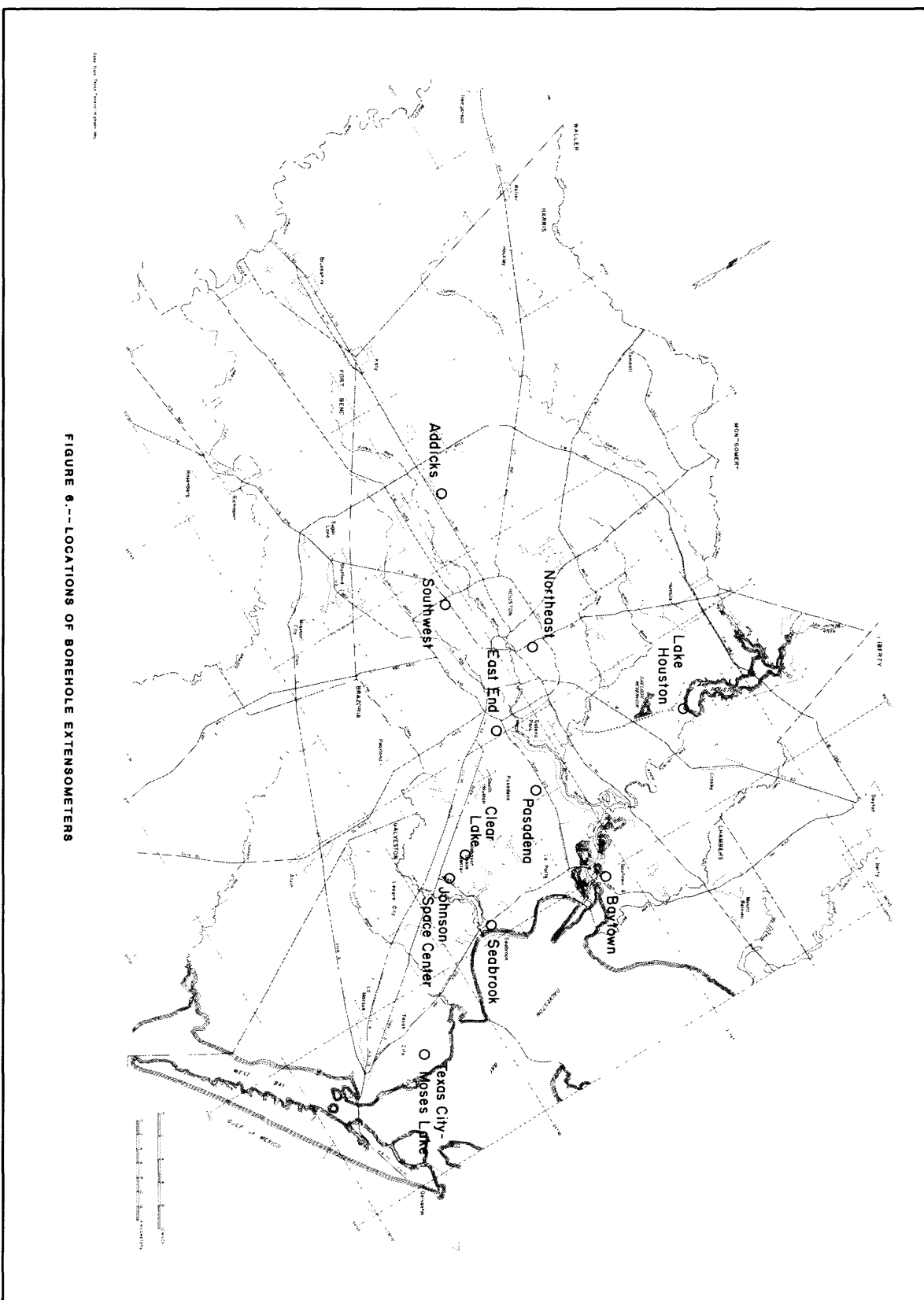


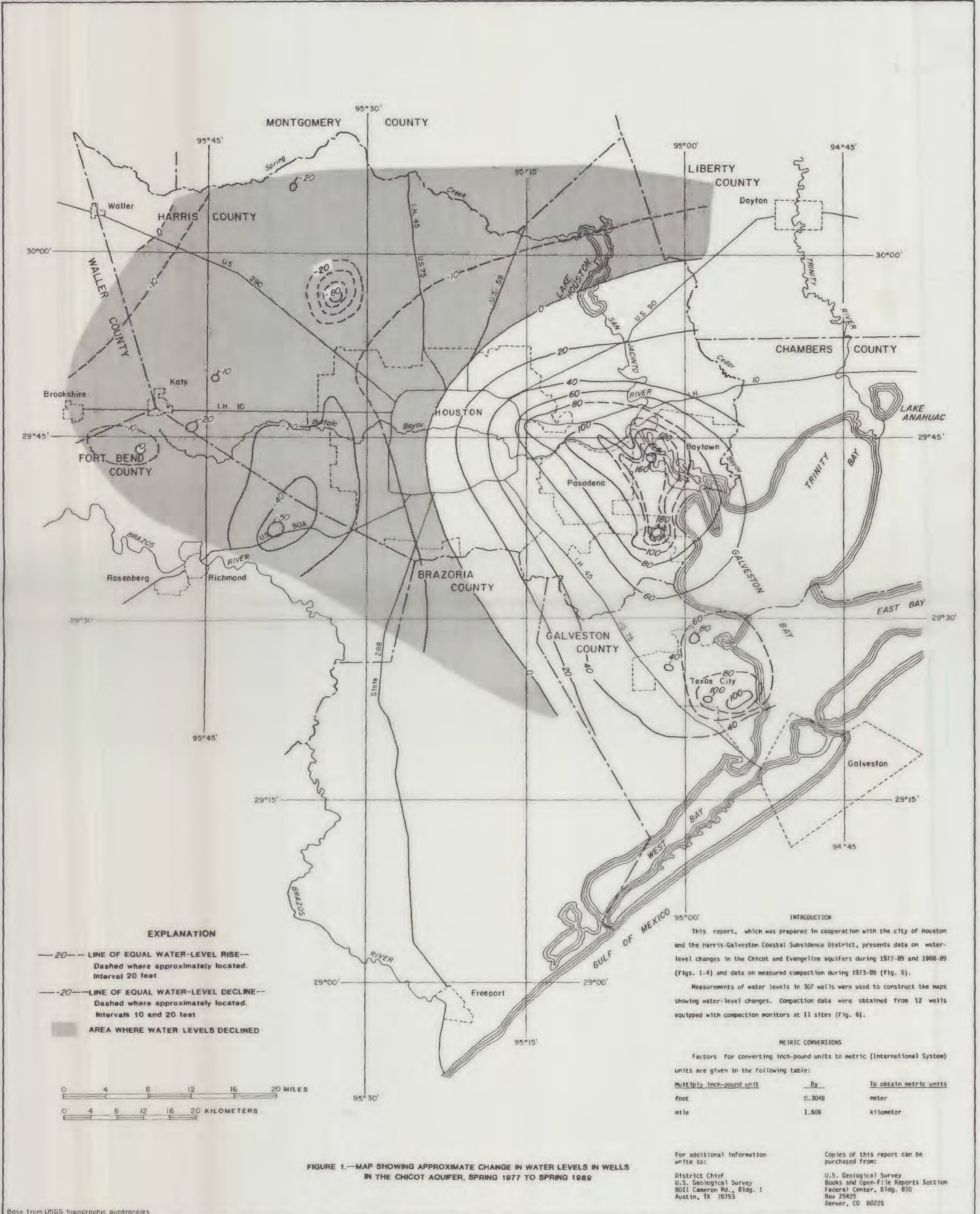
FIGURE 6.--LOCATIONS OF BOREHOLE EXTENSOMETERS

APPROXIMATE WATER-LEVEL CHANGES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-89  
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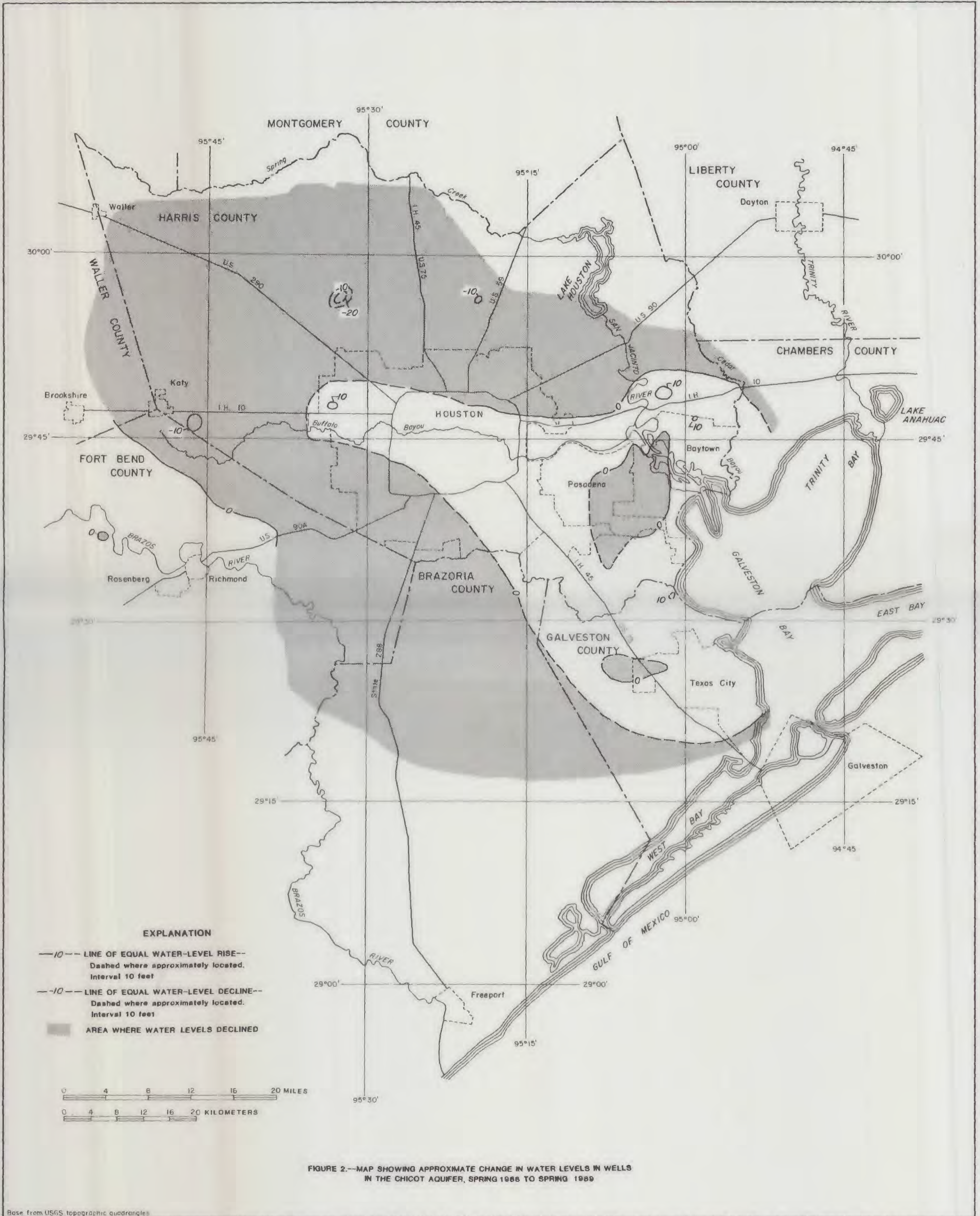


FIGURE 2.—MAP SHOWING APPROXIMATE CHANGE IN WATER LEVELS IN WELLS  
IN THE CHICOT AQUIFER, SPRING 1988 TO SPRING 1989

Base from USGS topographic quadrangles.

APPROXIMATE WATER-LEVEL CHANGES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-89 AND 1988-89,  
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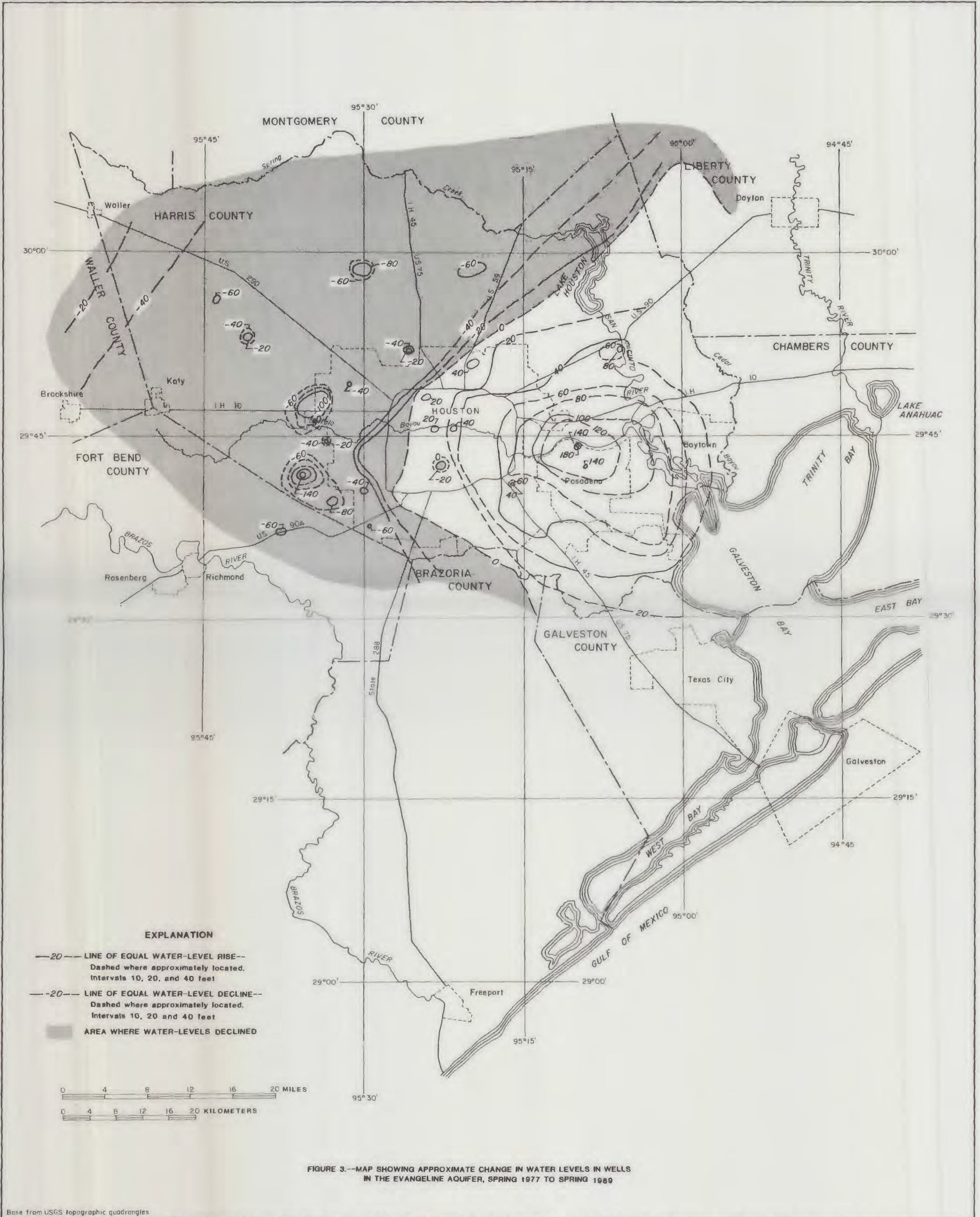


FIGURE 3.—MAP SHOWING APPROXIMATE CHANGE IN WATER LEVELS IN WELLS  
IN THE EVANGELINE AQUIFER, SPRING 1977 TO SPRING 1989

Base from USGS topographic quadrangles

APPROXIMATE WATER-LEVEL CHANGES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-89 AND 1988-89,  
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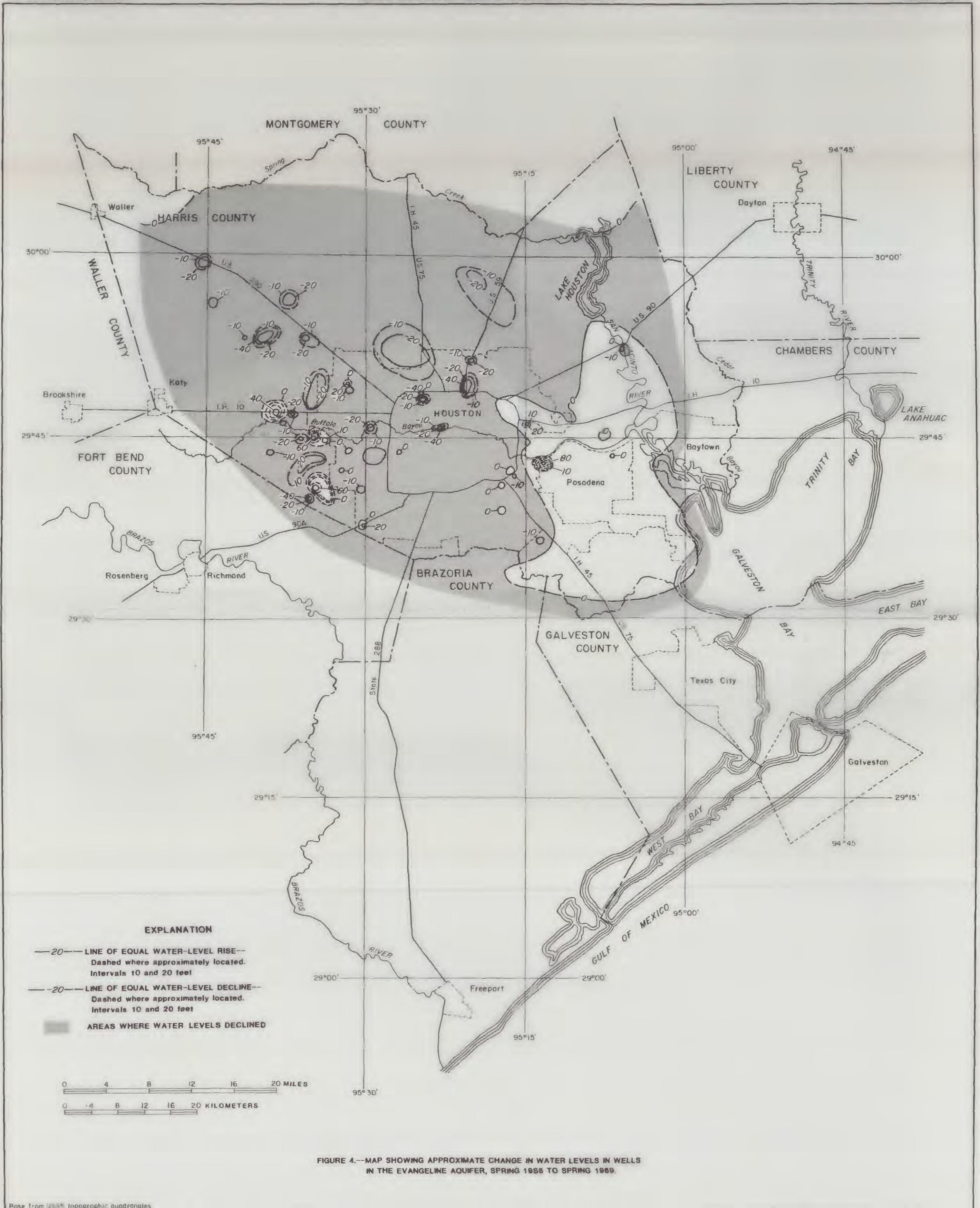


FIGURE 4.—MAP SHOWING APPROXIMATE CHANGE IN WATER LEVELS IN WELLS  
IN THE EVANGELINE AQUIFER, SPRING 1956 TO SPRING 1989.

Base from USGS topographic quadrangles

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