

**DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY**

**APPROXIMATE WATER-LEVEL CHANGES IN WELLS
IN THE CHICOT AND EVANGELINE AQUIFERS
1977-83 AND 1982-83, AND MEASURED COMPACTION
1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS**

**By
J.L. Strause and C.E. Ranzau, Jr.**

**U.S. GEOLOGICAL SURVEY
OPEN-FILE REPORT 83-150**



**Prepared in cooperation with the City of Houston,
the Harris-Galveston Coastal Subsidence District,
and the Texas Department of Water Resources**

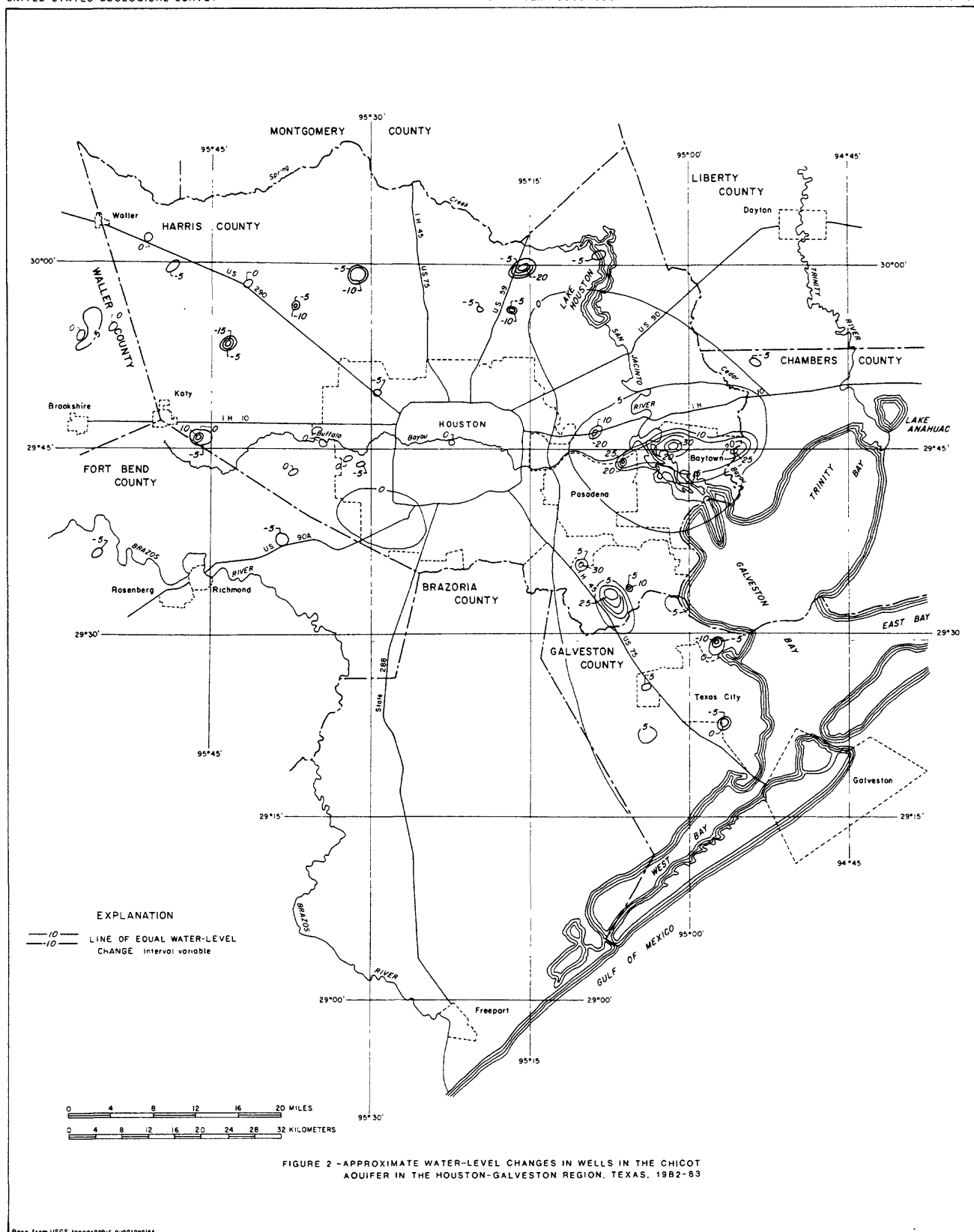
MARCH 1983

FIGURE 1.-APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1977-83

APPROXIMATE WATER LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83 AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

By
J.L. STRAUSE AND C.E. RANZAU, JR.

MARCH 1983



Base from USGS topographic quadrangles

APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83
AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

By

J. L. STRAUSE AND C. E. RANZAU, JR.

MARCH 1983

FIG 2

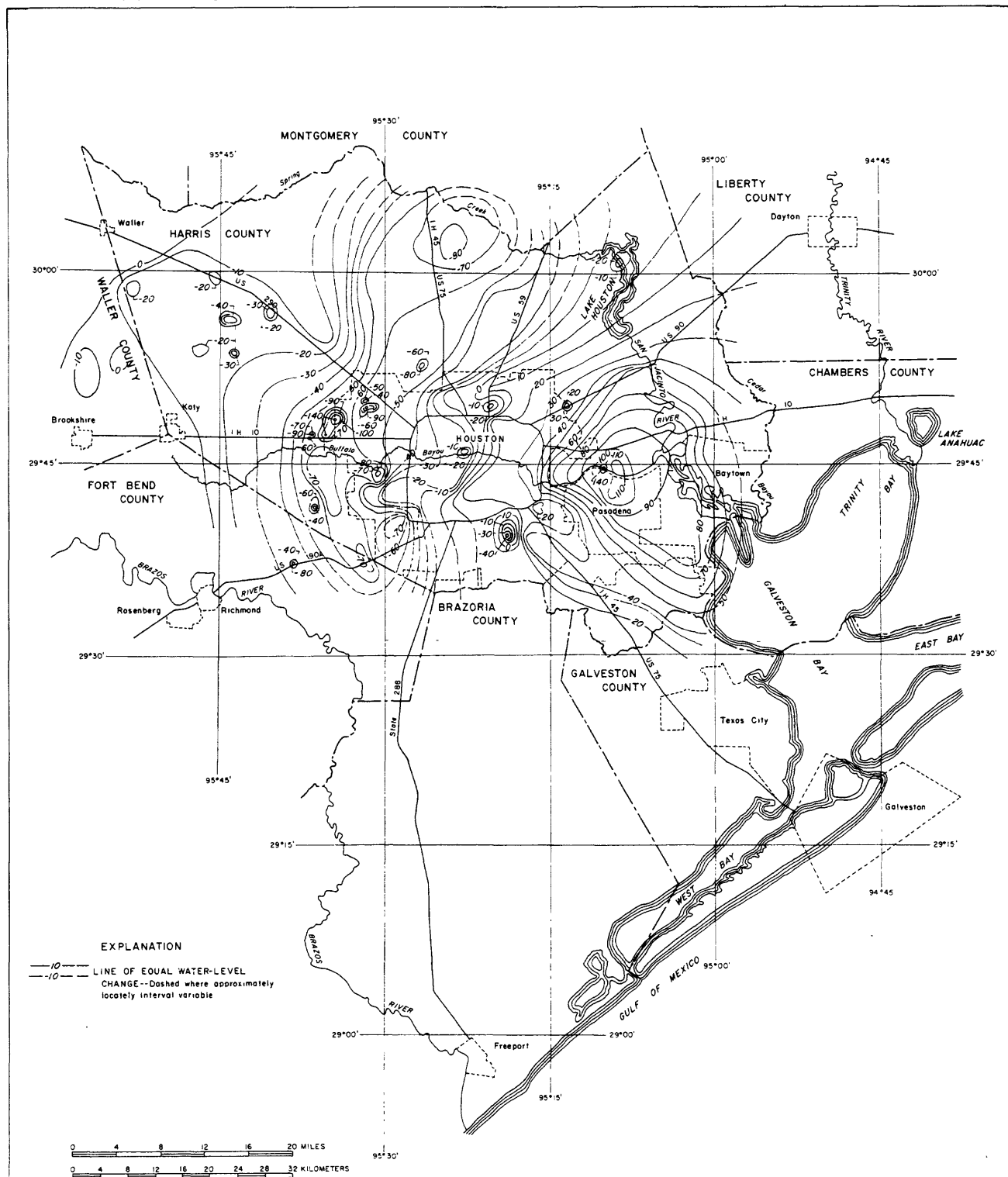


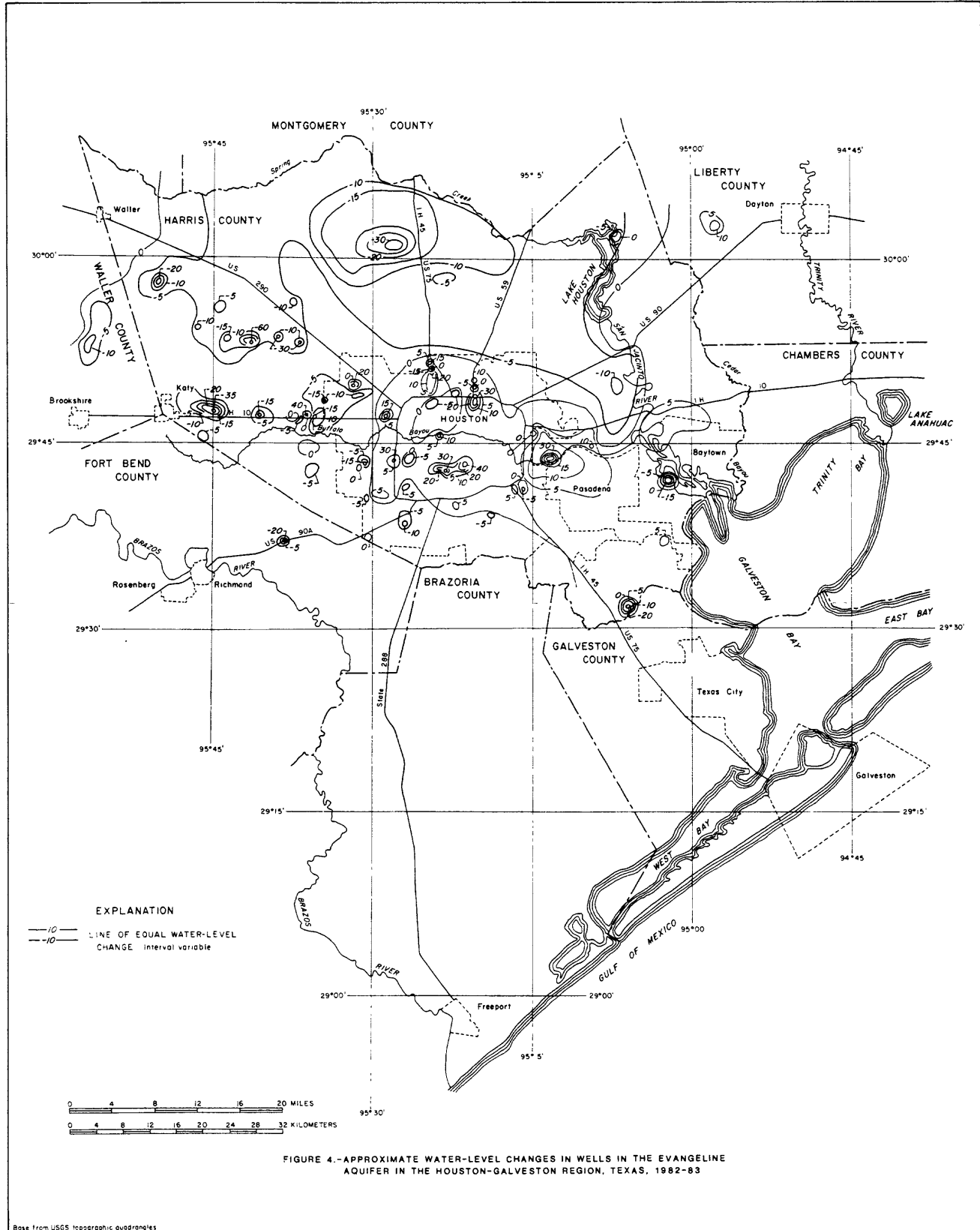
FIGURE 3.—APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE EVANGELINE AQUIFER IN THE HOUSTON-GALVESTON REGION, TEXAS, 1977-83

APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83
AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

By

J. L. STRAUSE AND C. E. RANZAU, JR.

MARCH 1983



Base from USGS topographic quadrangles

APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83
AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

By
J.L. STRAUSE AND C.E. RANZAU, JR.

MARCH 1983

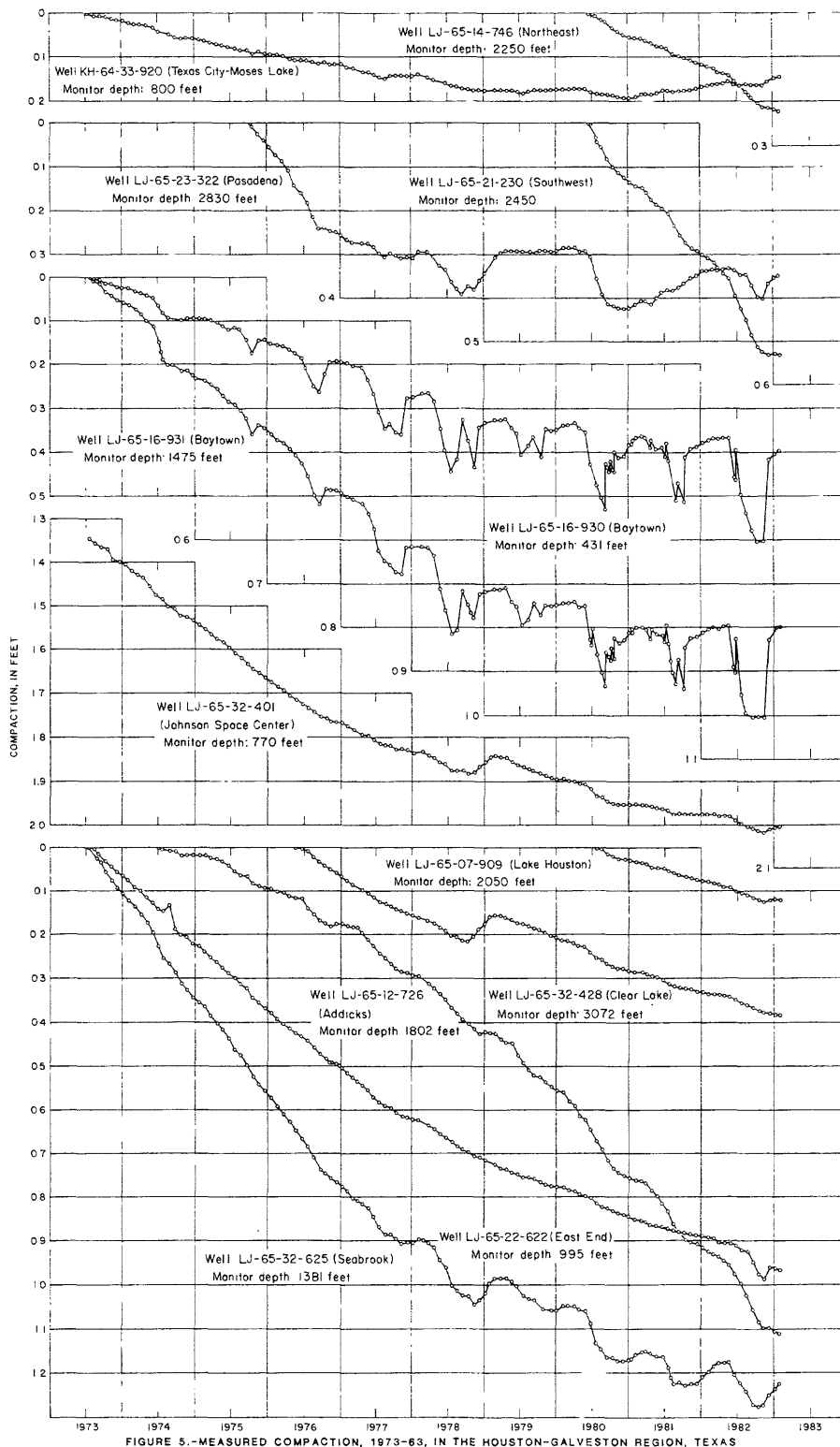


FIGURE 5.-MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83
AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

By
J. L. STRAUSE AND C. E. RANZAU, JR.

MARCH 1983

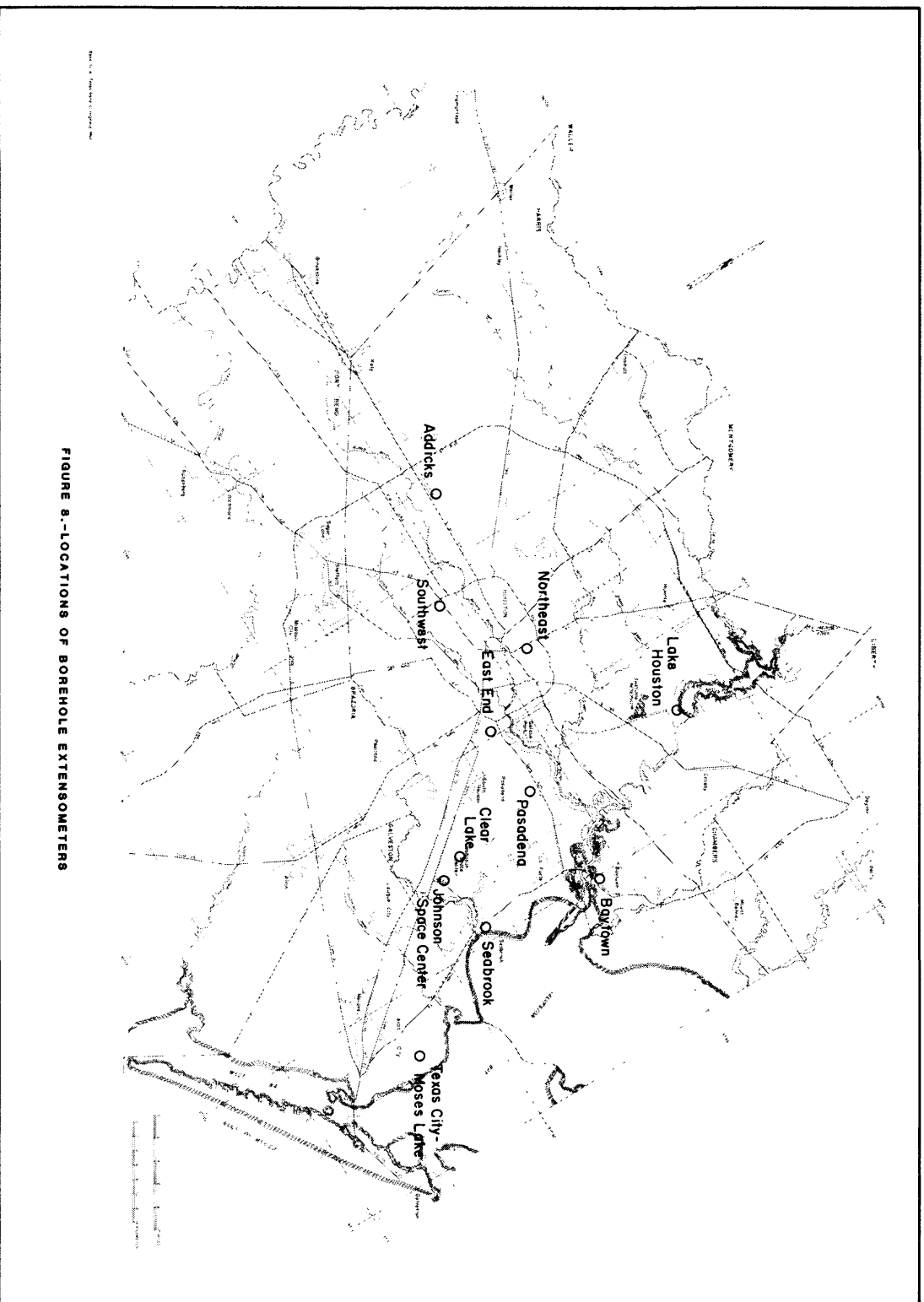


FIGURE 8.-LOCATIONS OF BOREHOLE EXTENSOMETERS

APPROXIMATE WATER-LEVEL CHANGES IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS, 1977-83
AND 1982-83, AND MEASURED COMPACTION, 1973-83, IN THE HOUSTON-GALVESTON REGION, TEXAS

BY

J.L. STRAUSE AND C.E. RANZAU, JR.

MARCH 1983