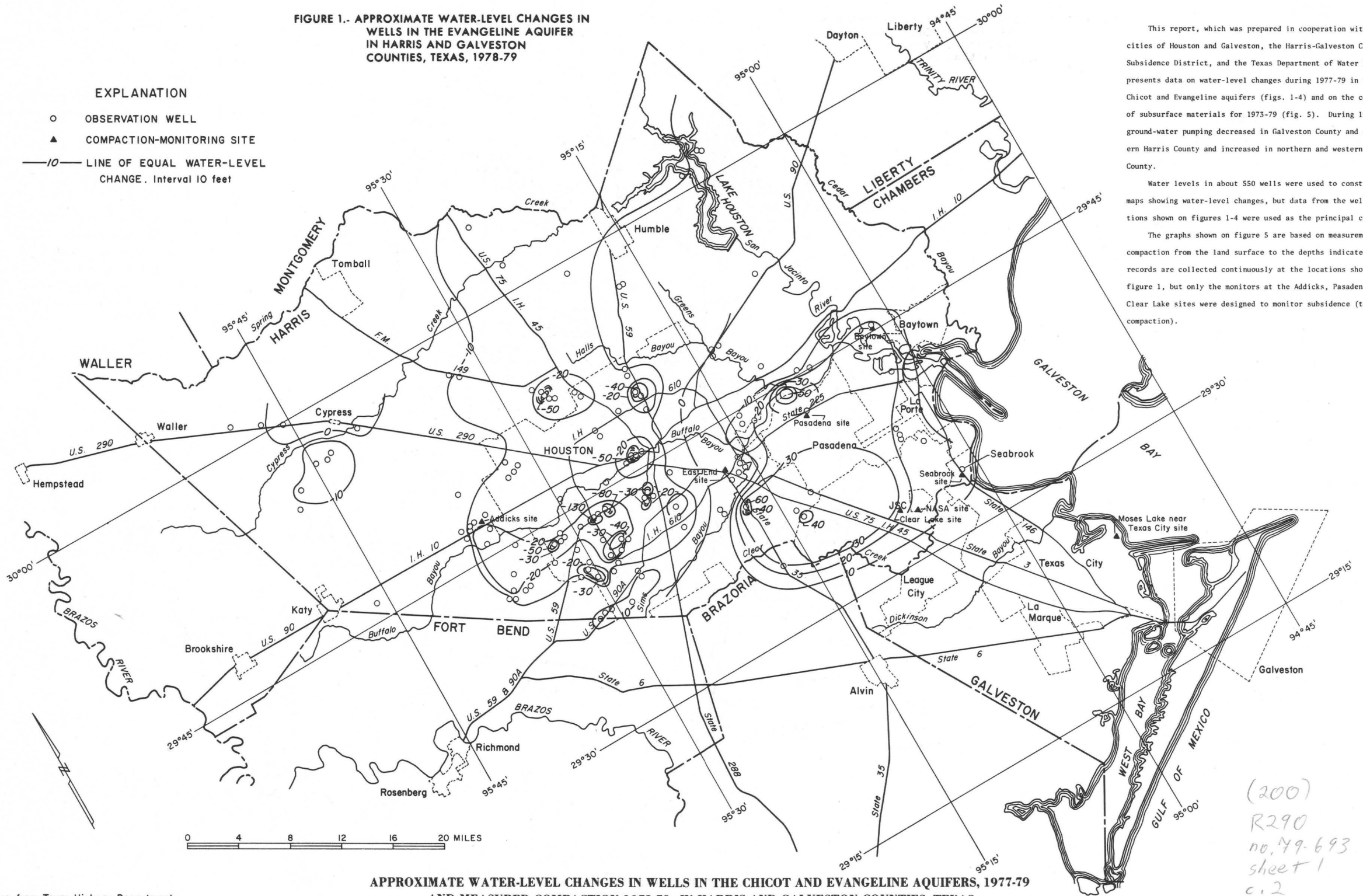


**FIGURE 1.- APPROXIMATE WATER-LEVEL CHANGES IN
WELLS IN THE EVANGELINE AQUIFER
IN HARRIS AND GALVESTON
COUNTIES, TEXAS, 1978-79**



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 1977-79 in the Chicot and Evangeline aquifers (figs. 1-4) and on the compaction of subsurface materials for 1973-79 (fig. 5). During 1977-79, ground-water pumping decreased in Galveston County and southern Harris County and increased in northern and western Harris County.

Water levels in about 550 wells were used to construct the maps showing water-level changes, but data from the well locations shown on figures 1-4 were used as the principal control.

The graphs shown on figure 5 are based on measurements of compaction from the land surface to the depths indicated. The records are collected continuously at the locations shown on figure 1, but only the monitors at the Addicks, Pasadena, and Clear Lake sites were designed to monitor subsidence (total compaction).

**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**

Base from Texas Highway Department county highway maps

BY
R.K. GABRYSCH
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