

GEOHYDROLOGY

WATER-LEVEL MEASUREMENTS

REFERENCES CITED

- Carr, J.E., Meyer, W.R., Sandeen, W.M., and McLane, I.R., 1985, Digital models for simulation of ground-water hydrology of the Chicot and Evangeline aquifers along the Gulf Coast of Texas: Texas Department of Water Resources Report 289, 101 p.
- Gabrysch, R.K., and Coplin, L.S., 1990, Land-surface subsidence resulting from ground-water withdrawals in the Houston-Galveston region, Texas, through 1987: Harris-Galveston Coastal Subsidence District Report of Investigations 90-01, 53 p.
- Kasmarek, M.C., Coplin, L.S., and Santos, H.X., 1997, Water-level altitudes 1997, water-level changes 1977-97 and 1996-97, and compaction 1973-96 in the Chicot and Evangeline aquifers, Houston-Galveston region, Texas: U.S. Geological Survey Open-File Report 97-181, 8 sheets.
- Williams, J.F., III, and Ranzau, C.E., Jr, 1987, Ground-water withdrawals and changes in ground-water levels, ground-water quality, and land-surface subsidence in the Houston district, Texas, 1980-84: U.S. Geological Survey Water-Resources Investigations Report 87-4153, 56 p.

VERTICAL DATUM

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

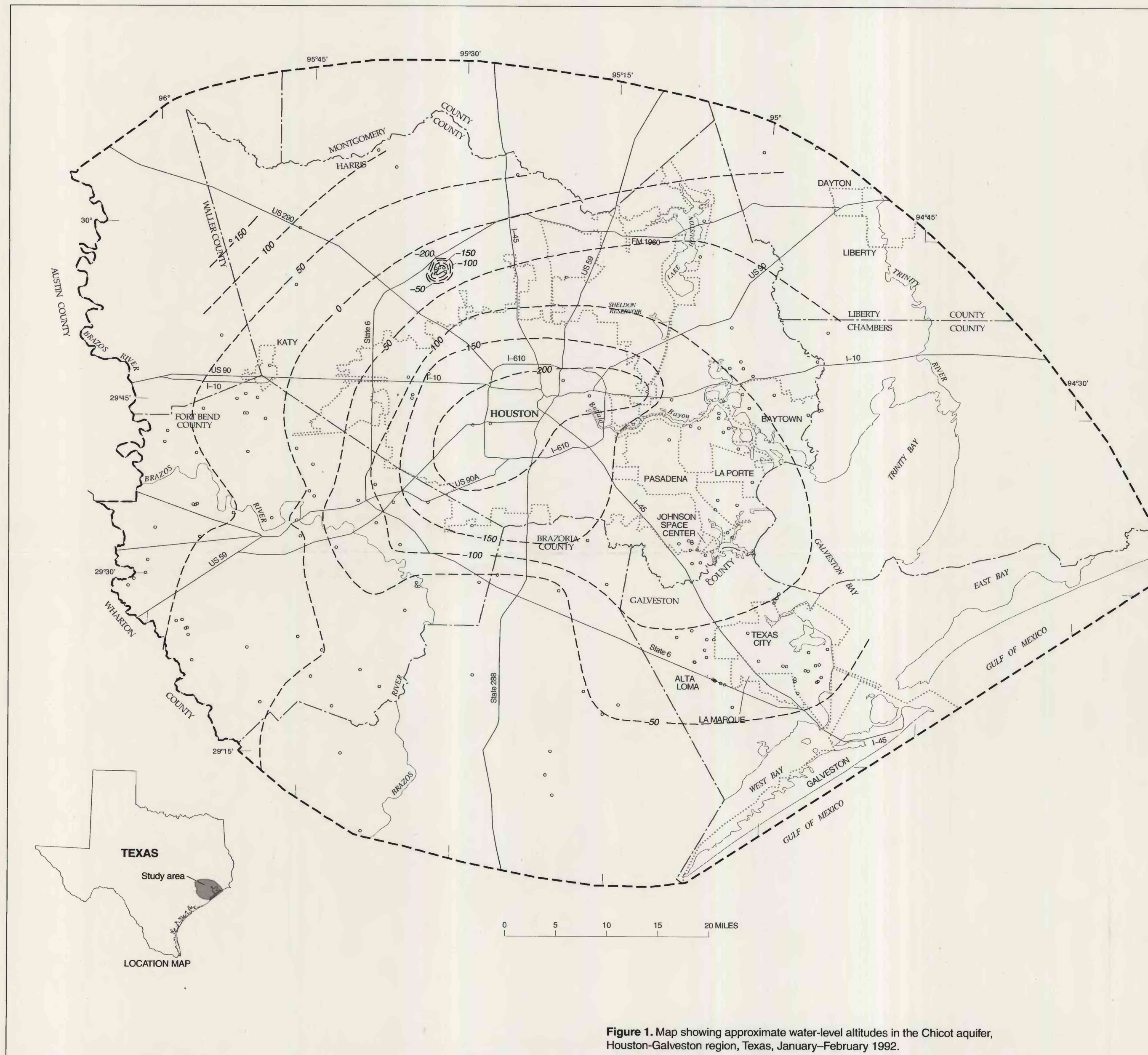


Figure 1. Map showing approximate water-level altitudes in the Chicot aquifer, Houston-Galveston region, Texas, January–February 1992.

WATER-LEVEL ALTITUDES IN WELLS COMPLETED IN THE CHICOT AND EVANGELINE AQUIFERS,
HOUSTON-GALVESTON REGION, TEXAS, JANUARY-FEBRUARY 1992, 1993, AND 1994

By
Mark C. Kasmarek
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EXPLANATION

- — — — — **-50 —** **Water-level contour**—Shows altitude at which water level would have stood in tightly cased well. Contour interval 50 feet. Datum is sea level
- — — — — **Boundary of study area**
- **Data point**—Well in which water-level measurement was made. One point can represent more than one well