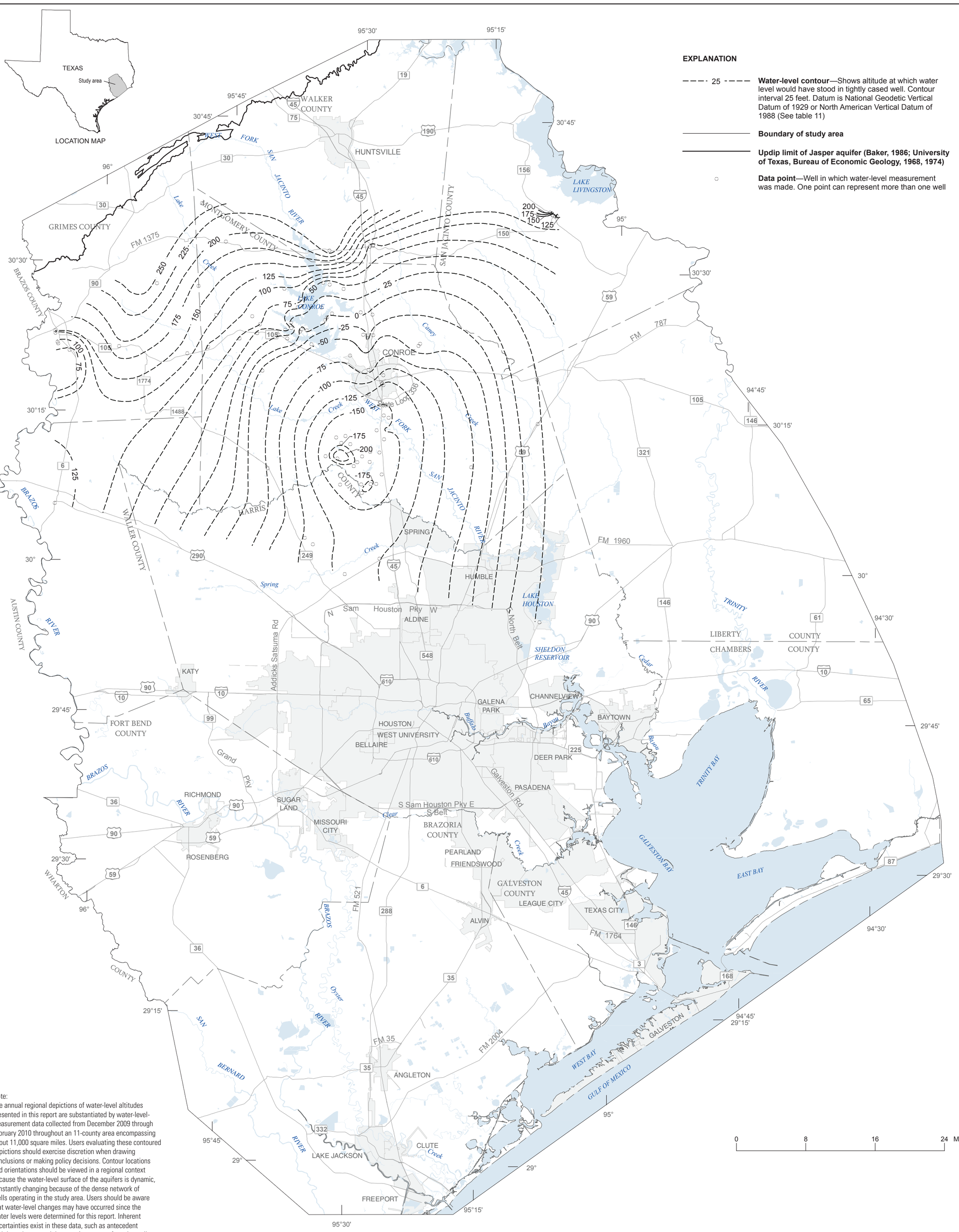
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

In cooperation with the
HARRIS-GALVESTON SUBSIDENCE DISTRICT,
CITY OF HOUSTON,
FORT BEND SUBSIDENCE DISTRICT, AND
LONE STAR GROUNDWATER CONSERVATION DISTRICT

Kasmarek, M.C., Johnson, M.R., and Ramage, J.K., 2010, Water-level altitudes 2010 and water-level changes in the Chicot, Evangeline, and Jasper aquifers and compaction 1973–2009 in the Chicot and Evangeline aquifers, Houston-Galveston region, Texas



Note:
The annual regional depictions of water-level altitudes presented in this report are substantiated by water-level-measurement data collected from December 2009 through February 2010 throughout an 11-county area encompassing about 11,000 square miles. Users evaluating these contoured depictions should exercise discretion when drawing conclusions or making policy decisions. Contour locations and orientations should be viewed in a regional context because the water-level surface of the aquifers is dynamic, constantly changing because of the dense network of wells operating in the study area. Users should be aware that water-level changes may have occurred since the water levels were determined for this report. Inherent uncertainties exist in these data, such as antecedent withdrawal rates and the pumping status of nearby wells. Users should not use these data for critical applications without a full awareness of the limitations.

Sheet 11. Map showing approximate water-level altitudes in the Jasper aquifer, Houston-Galveston region, Texas, December 2009–February 2010.

Base from U.S. Geological Survey digital data, 1:100,000
Universal Transverse Mercator projection, zone 15
North American Datum of 1927

Water-Level Altitudes Water Year 2010 and Changes in the Chicot, Evangeline, and Jasper Aquifers and Compaction 1973–2009 in the Chicot and Evangeline Aquifers, Houston-Galveston Region, Texas

By
Mark C. Kasmarek, Michaela R. Johnson, and Jason K. Ramage

2010

Information regarding water resources in Texas is available at http://tx.usgs.gov/

ISBN 978-1-4113-3025-2