



EXPLANATION

- - - - - -20 - - - - - Line of equal water-level decline—Interval 20 feet
- Boundary of study area
- Uplift limit of Jasper aquifer (University of Texas, Bureau of Economic Geology, 1968, 1974; Baker, 1986)

Note: This change map was created by contouring the set of mapped point values computed as the difference in water-level altitude at each point (well) for which a water-level measurement was made in 2016 and the water-level altitude at that point on a gridded surface of the 2000 water-level-altitude map (Kasmarek and Houston, 2007, sheet 15). Gridded surface values for 2000 (rather than actual measured values) were used to compute differences (mapped point values) because many of the wells measured in 2000 have been destroyed or were not measured in 2016. Conversely, some of the wells measured in 2016 either were not measured or were not in existence in 2000. Thus, using the gridded surface yielded more point values than would have been available by using the subset of wells measured in both 2016 and 2000.

For the subset of wells measured in both 2016 and 2000, the mapped point values used were the differences in water-level-altitude values between 2016 and 2000 rather than the differences between 2016 water-level-altitude values and 2000 gridded surface values. The area of water-level change shown is based on availability of water-level data from 2000.

Sheet 14. Approximate water-level changes in the Jasper aquifer, Houston-Galveston region, Texas, 2000–16.

