This report, which was prepared in cooperation with the Fort Bend Subsidence District, presents data on water levels in wells completed in the Chicot and Evangeline aquifers. The Chicot aquifer underlies the Fort Bend Subsidence District on the west side of US 90A, whereas the Evangeline aquifer lies to the east. The water levels in wells completed in the two aquifers are approximately the same. However, the water levels in wells in the Chicot aquifer are higher in the western portion of the district than in the eastern portion. The Chicot aquifer is used for domestic water supplies in the unincorporated area of the county. The water levels in wells in the Chicot aquifer are in the vicinity of the Gulf Coast, where the regional water levels are considered to be near sea level. The Chicot aquifer is used for domestic water supplies in the unincorporated area of the county, and the Evangeline aquifer lies entirely on the south side of US 90A. The water levels in wells in the Evangeline aquifer are decreasing, whereas the water levels in wells in the Chicot aquifer are increasing, with the exception of a few wells in the western portion of the district.