



Figure 13.—Approximate Withdrawals of Ground Water By Usage and By Aquifer in Wharton County, 1901-74

County. By 1947, the water-level declines had become more pronounced (Figure 15).

By 1959-60, records of water-level measurements were sufficient to map the potentiometric surface of the Chicot aquifer separately (Figure 16), and by 1975 the data were sufficient to separately map the potentiometric surface of the Evangeline aquifer (Figure 17). By 1975, the rate and extent of the decline

of the altitude of the potentiometric surface of the Evangeline aquifer had increased significantly since 1959-60. Water-level declines of as much as 40 feet (12 m) occurred in eastern Lavaca County because of increased pumping from large-capacity rice-irrigation wells.

Figure 18 shows the water-level declines in a few selected wells screened in the Evangeline and Chicot