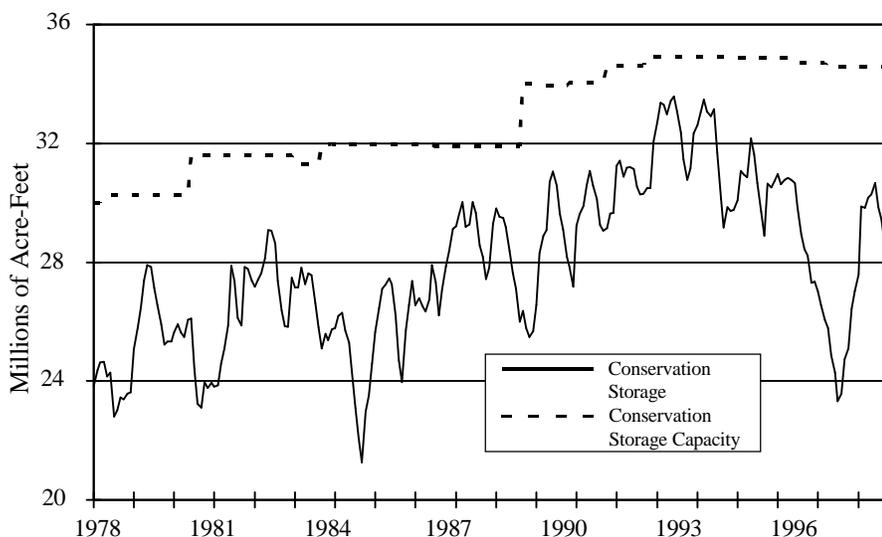


October 1997

Near the end of September, the 77 reservoirs monitored for this report held 28,571,820 acre-feet in conservation storage. This was 83 percent of the conservation storage capacity of the State's major reservoirs. Compared to last month, storage has decreased 854,630 acre-feet. Compared to this month last year, storage has increased 3,846,610 acre-feet.

Of the monitored reservoirs, 8 held 100 percent or more of their conservation storage capacities near the end of September. Lakes Graham, Granbury, Cedar Creek, Houston, and Texana were full and spilling. An additional amount of water (acre-feet) was contained in the flood storage pool in each of the reservoirs as follows: Granger, 370; Patman, 122,560; and Lake O' the Pines, 11,320.



Current data are based on elevation near end of month at 77 reservoirs that represent 98 percent of total conservation storage capacity in Texas reservoirs having a capacity of 5,000 acre-feet or more.

Texas Water Development Board

WATER Conditions

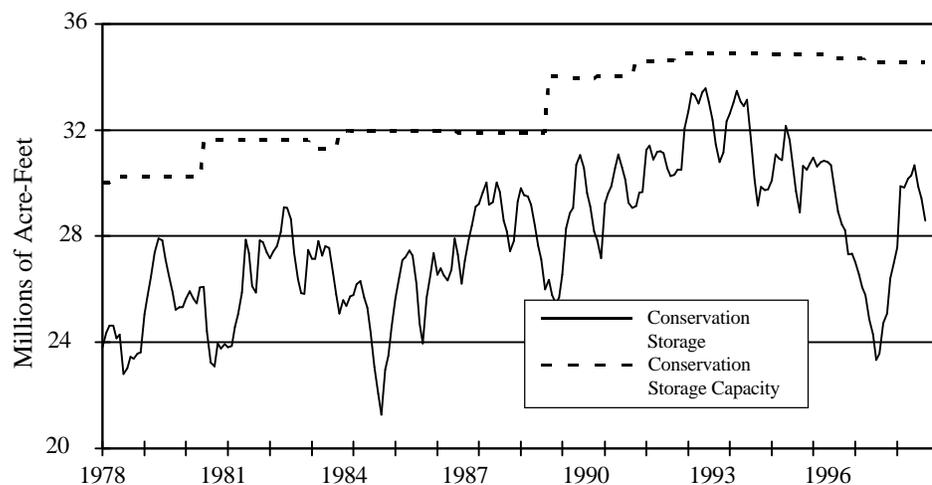
RESERVOIR STORAGE

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Conservation Storage Data for Selected Major Texas Reservoirs



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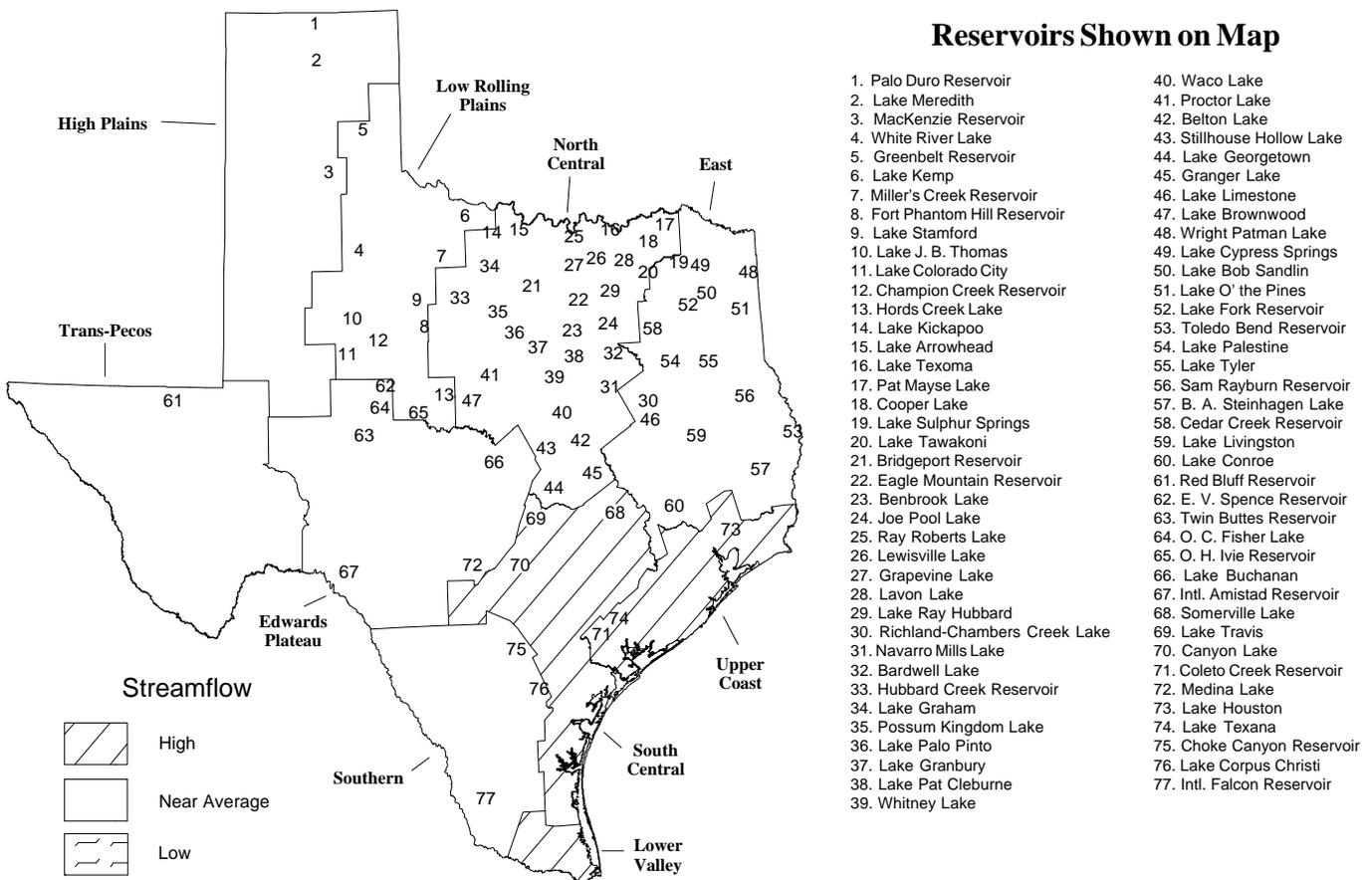
STREAMFLOW

Streamflow conditions across Texas ranged from near-normal to above-normal during the month of September. There were scattered thunderstorms throughout southeast Texas toward the end of the month. South Texas received moderate to heavy rainfall during the month of September with some flooding in some areas. The rest of the state received normal to below average precipitation for the month. The following is a summary of the measured flows at various index stations across the State.

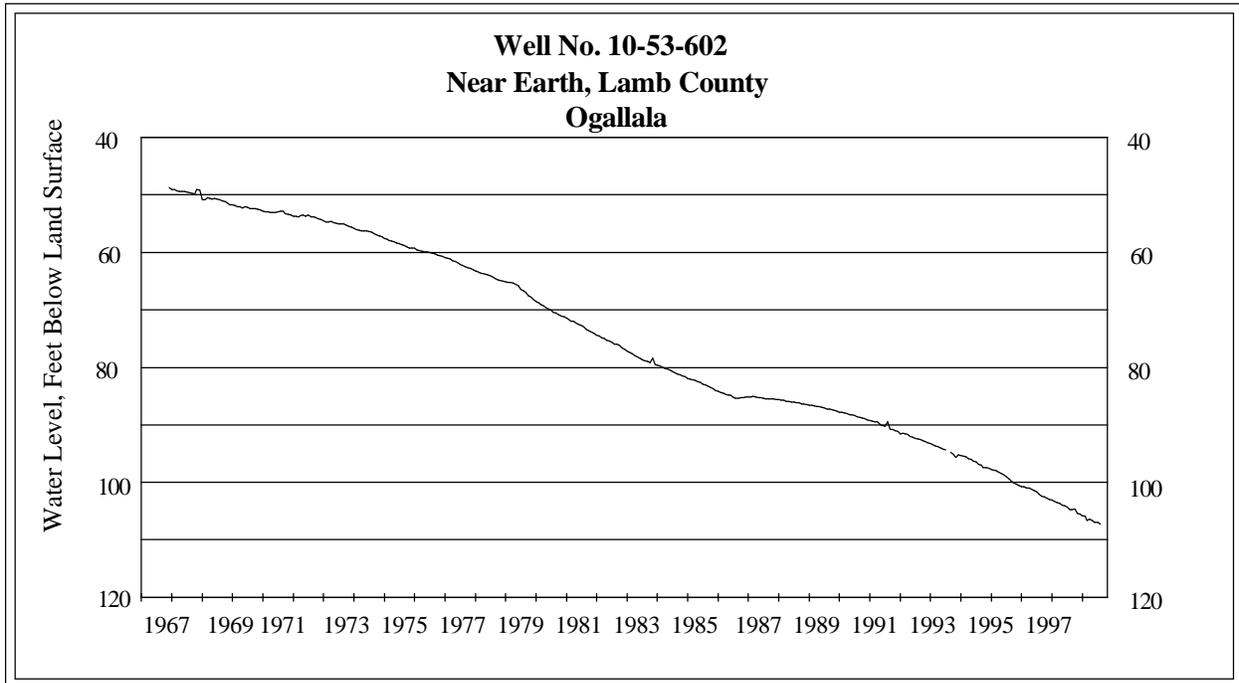
The index station for the East Texas climatic division is located on the Neches River near Clifton. Streamflow for September was near-normal, averaging 304 cubic feet per second (cfs). The monthly average flow rate, when compared to the 1961-90 reference period, was 138

percent of the reference period median and 102 cfs below the above-normal level for this location. For North-central Texas, the index station is located on the North-Bosque River near Clifton. Streamflow past the gage was near-normal, averaging 20.5 cfs, or 88 percent of the monthly reference period median. This was 27.8 cfs below the station's above-normal flow level. Elsewhere across the State, the index station for the Edwards Plateau is located on the North Concho River near Carlsbad. There was no streamflow past the gage during the month. This is a near-normal occurrence for the month of September, 21.3 cfs below the station's above-normal flow level for this month. The index station for South-central Texas is located on the Guadalupe River near Spring Branch. This station was out of operation during the entire month.

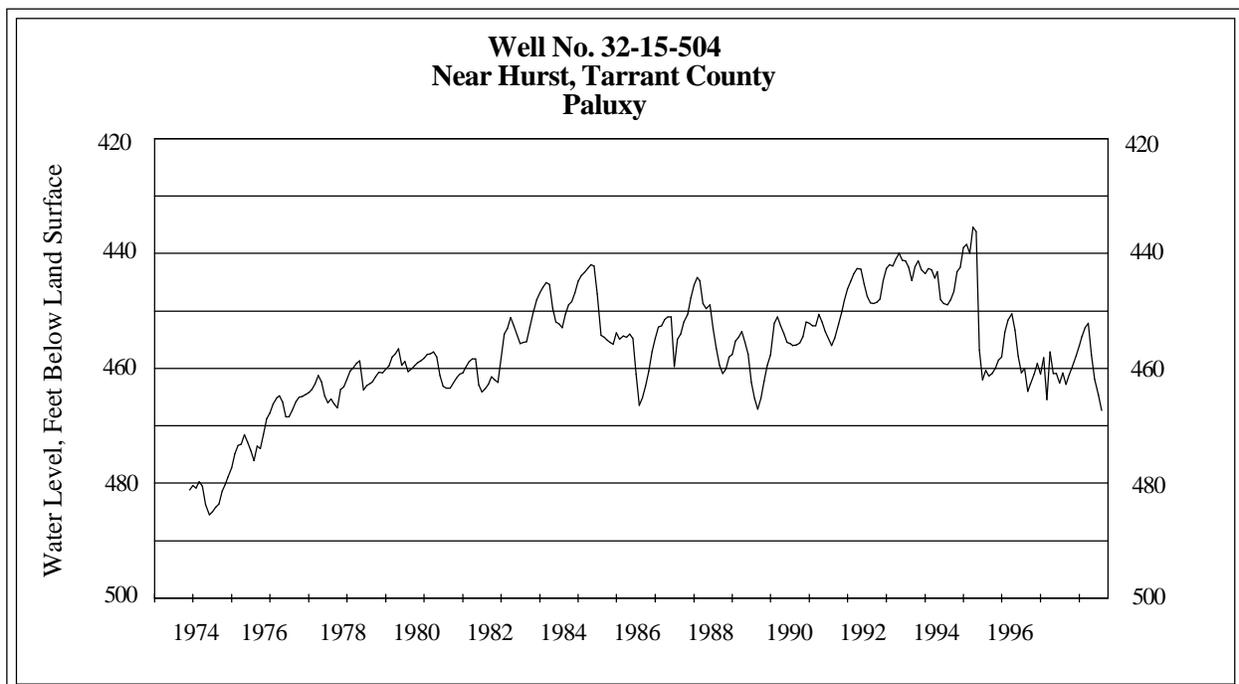
STREAMFLOW CONDITIONS FOR SEPTEMBER COMPARED WITH PAST RECORD



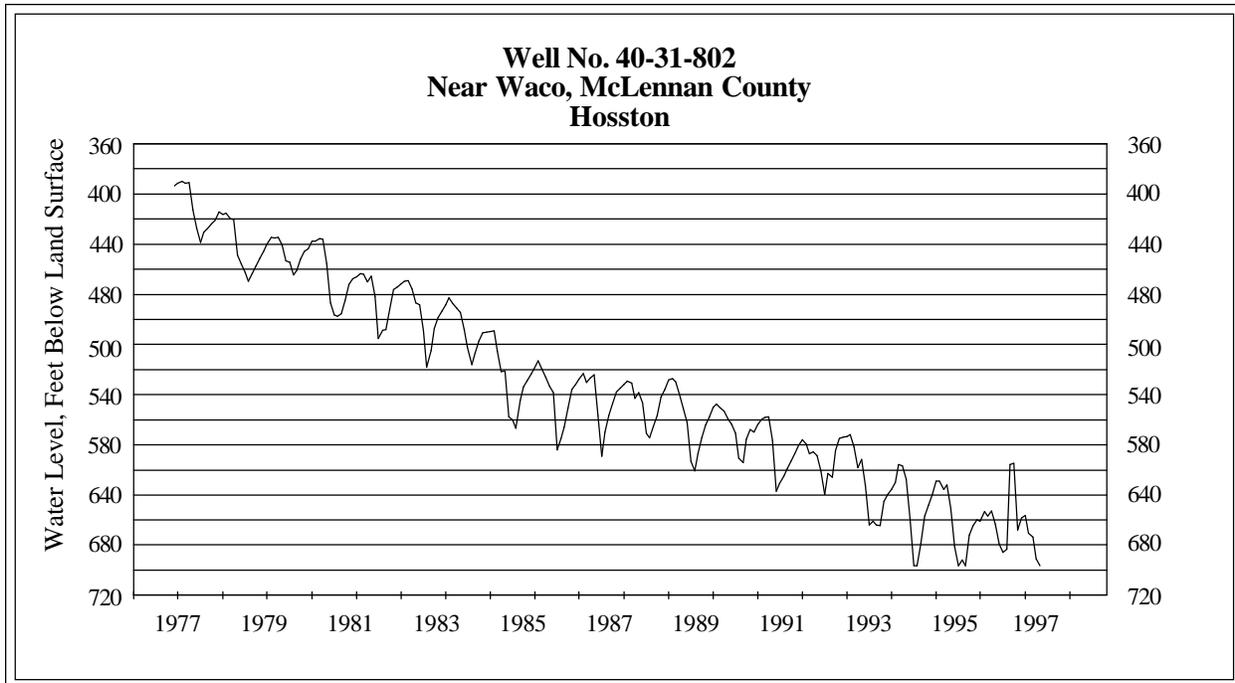
GROUND WATER LEVELS IN OBSERVATION WELLS



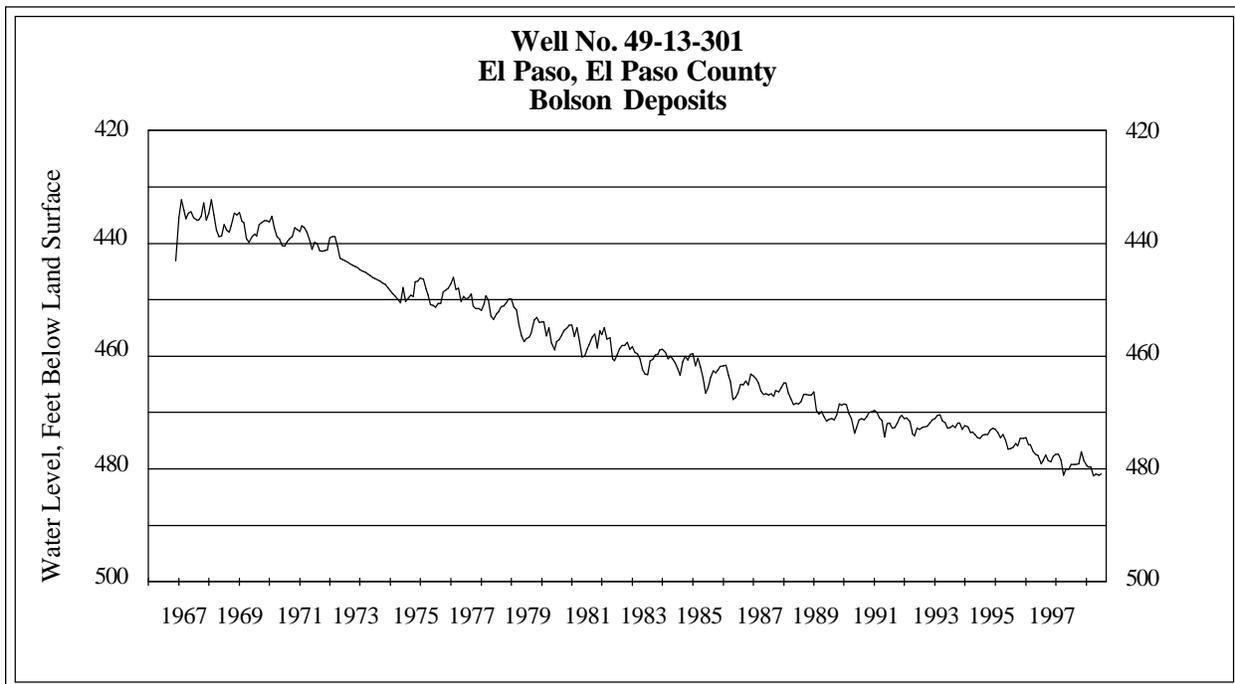
The September water-level measurement in this Ogallala aquifer well, elevation 3667 feet above sea level, was 107.29 feet below land surface. This was 0.36 feet below last month's measurement, 2.52 feet below last year's measurement, and 79.14 feet below the initial measurement recorded in 1950.



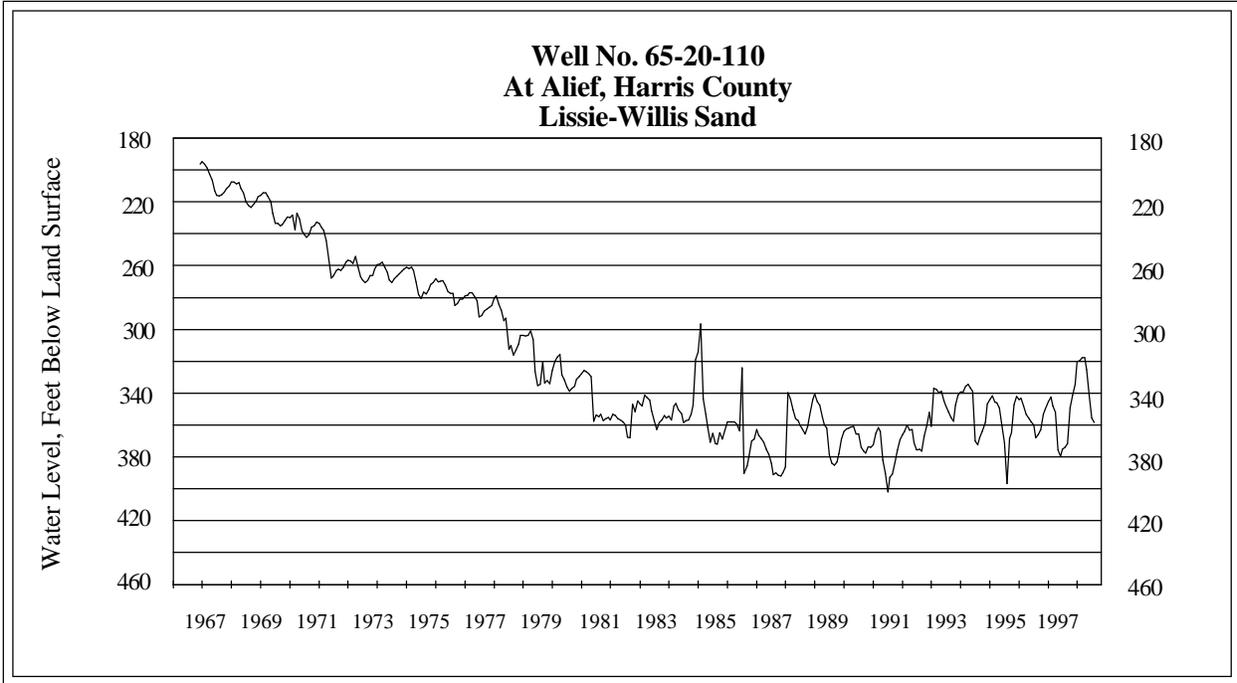
The September water-level measurement in this Paluxy aquifer well, elevation 535 feet above sea level, was 467.33 feet below land surface. This measurement was 2.69 feet below last month's measurement, 6.57 feet below last year's measurement, and 73.94 feet below the initial measurement recorded in 1953.



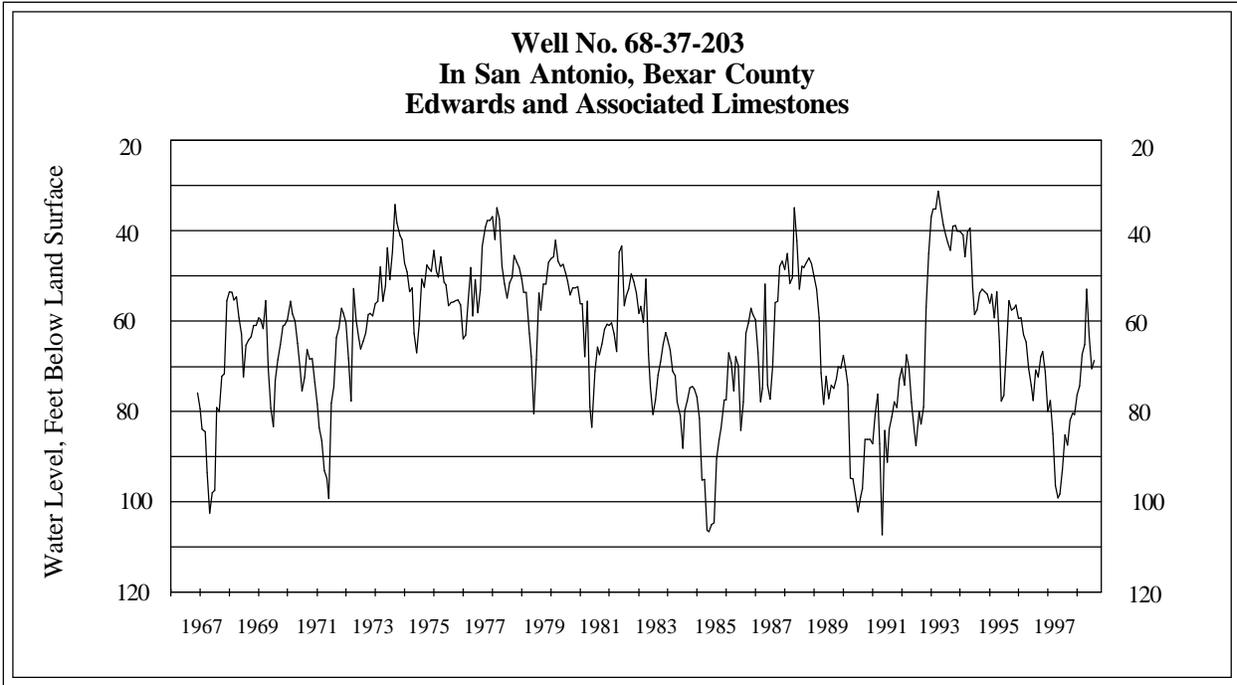
The September water-level measurement in this Hosston Formation aquifer well, elevation 593 feet above sea level, was not available due to a bridged casing. This well will be replaced with another Hosston well in the Waco area.



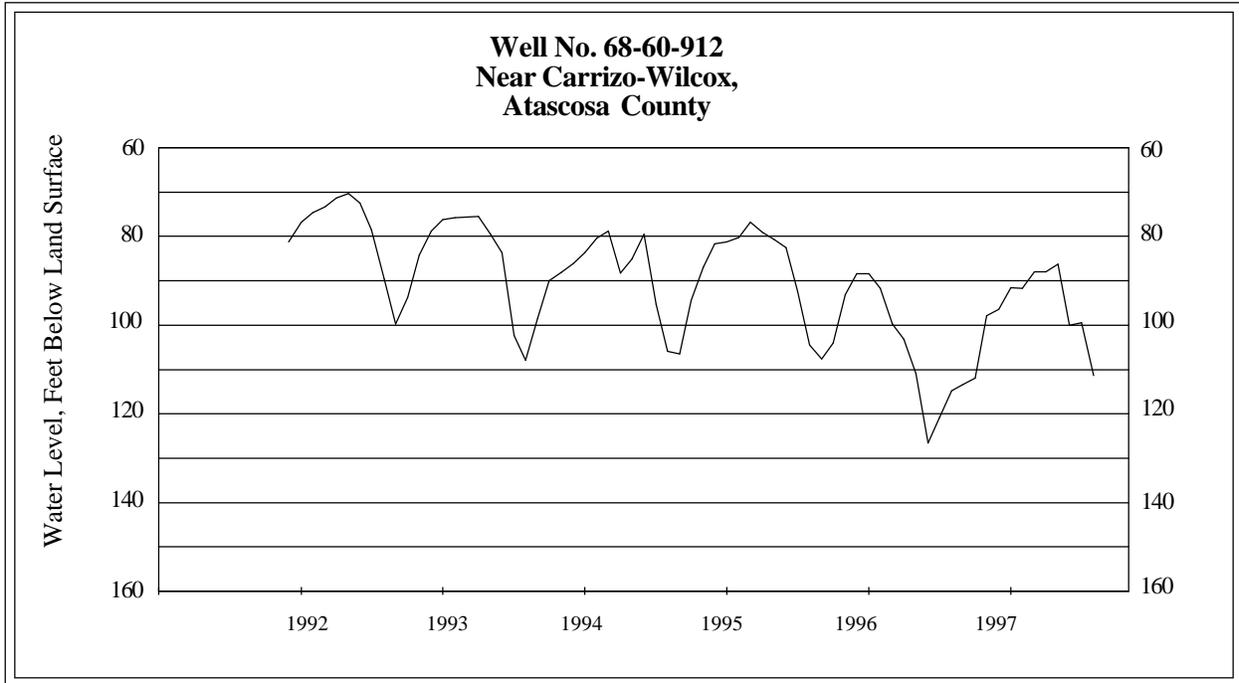
The September water-level measurement in this Bolson Deposits aquifer well, elevation 3882 feet above sea level, was 280.92 feet below land surface. This was .17 feet above last month's measurement, 1.71 feet below last year's measurement, and 49.02 feet below the initial measurement recorded in 1964.



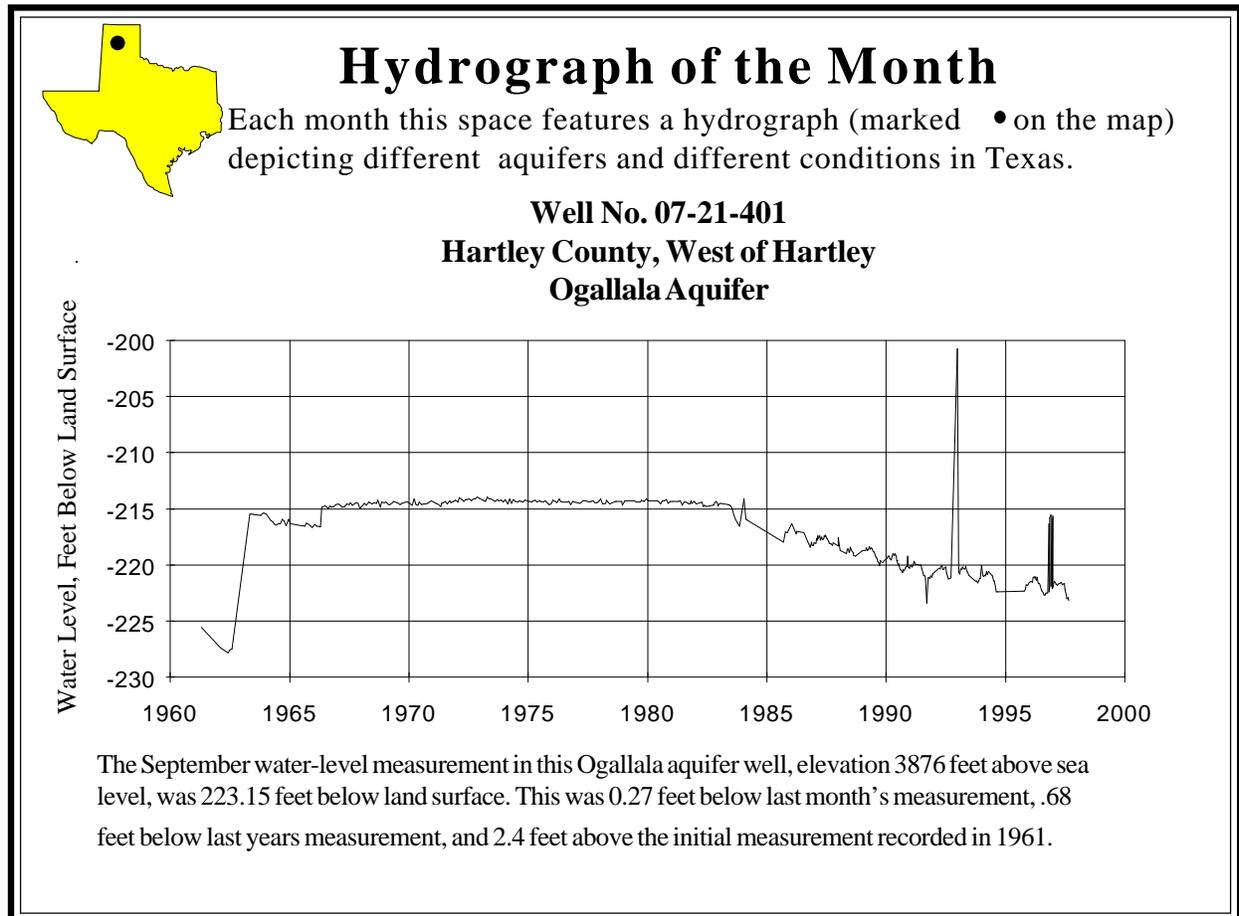
The September water-level measurement in this Lissie Willis Sand aquifer well, elevation 83 feet above sea level, was 358.39 feet below land surface. This was 2.81 feet below last month's measurement, 15.59 feet above last year's measurement, and 322.39 feet below the initial measurement recorded in 1939.



The September water-level measurement in this Edwards aquifer well, elevation 731 feet above sea level, was 68.7 feet below land surface. This was 1.90 feet above last month's measurement, 16.50 feet above last year's measurement, and 9.08 feet below the initial measurement recorded in 1962.



The September water-level measurement in this Carrizo aquifer well, elevation 446 feet above sea level, was 111.48 feet below land surface. This was 11.94 feet below last month's measurement, 3.37 feet above last year's measurement, and 30.23 feet below the initial measurement recorded in 1992.



TEXAS WATER CONDITIONS



**Texas Water Development Board
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