

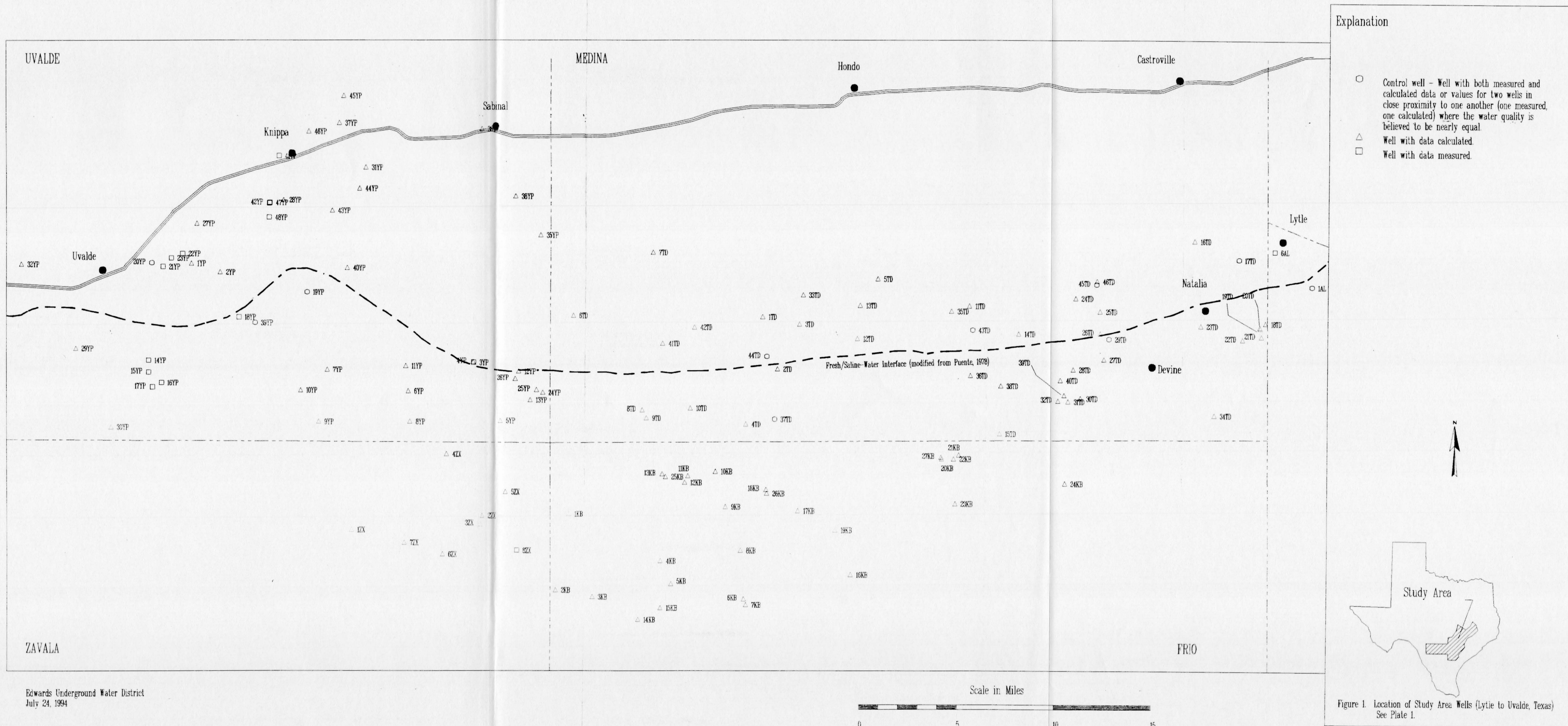
EDWARDS UNDERGROUND
WATER DISTRICT

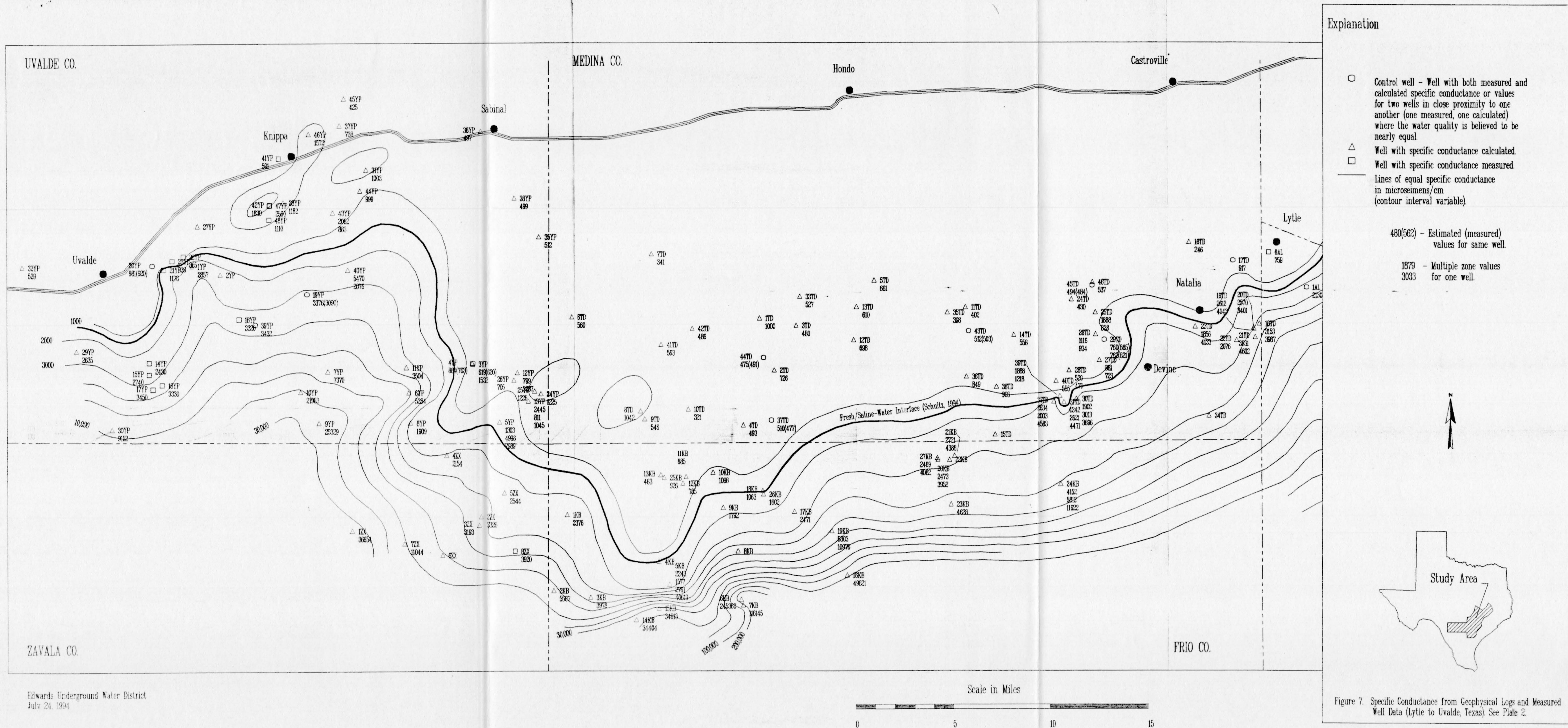
Report 94-05

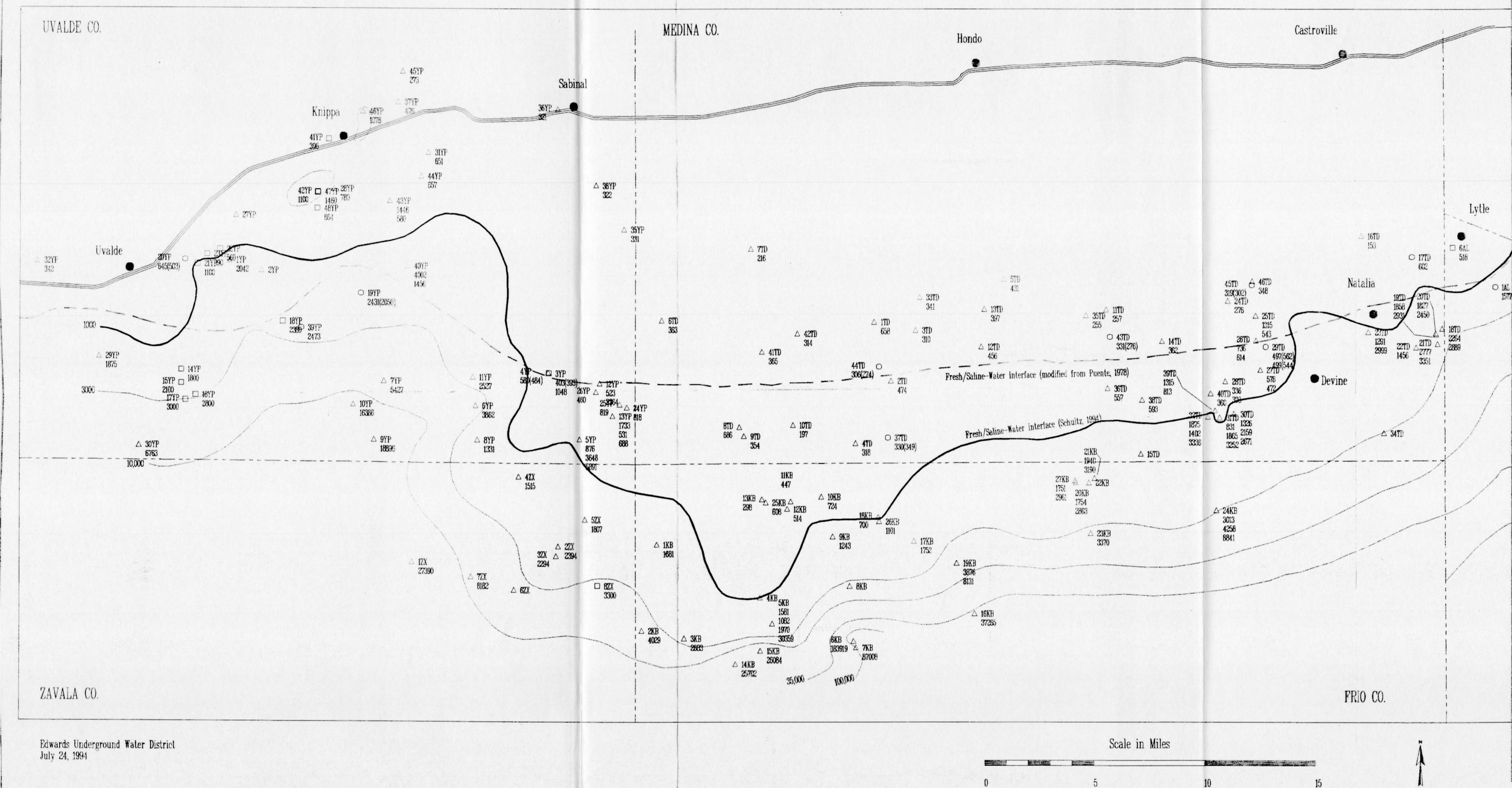
**1994 Review and Update of the
Position of the Edwards Aquifer
Freshwater/Saline-Water Interface
from Uvalde to Kyle, Texas**

PLATES









Explanation

- Control well - Well with both measured and calculated total dissolved solids or values for two wells in close proximity to one another (one measured, one calculated) where the water quality is believed to be nearly equal.
- Well with total dissolved solids calculated.
- Well with total dissolved solids measured.
- Lines of equal estimated TDS in MG/L (contour interval variable).

GENERAL CLASSIFICATION OF WATER BASED ON TDS
(FROM WINSLOW & KISTER, 1956)

DESCRIPTION	DISSOLVED-SOLIDS CONCENTRATION MG/L
FRESH	LESS THAN 1,000
SLIGHTLY SALINE	1,000 TO 3,000
MODERATELY SALINE	3,000 TO 10,000
VERY SALINE	10,000 TO 35,000
BRINE	GREATER THAN 35,000

TOTAL DISSOLVED SOLIDS CONTOUR MAP

Contour map of measured and/or estimated*
Total Dissolved Solids (in MG/L).

* Estimated from geophysical logs using the following empirical formulas:

WHEN $Ca > 1200$ uS/cm: $TDS_{est.} = .75Ca - 10$
WHEN $Ca < 1200$ uS/cm: $TDS_{est.} = .67Ca - 12$

480(562) - Estimated (measured)
values for same well.

1879 - Multiple zone values for one well

3033

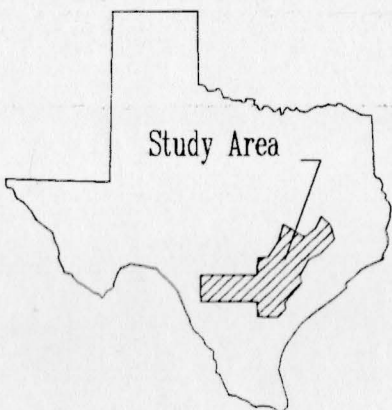
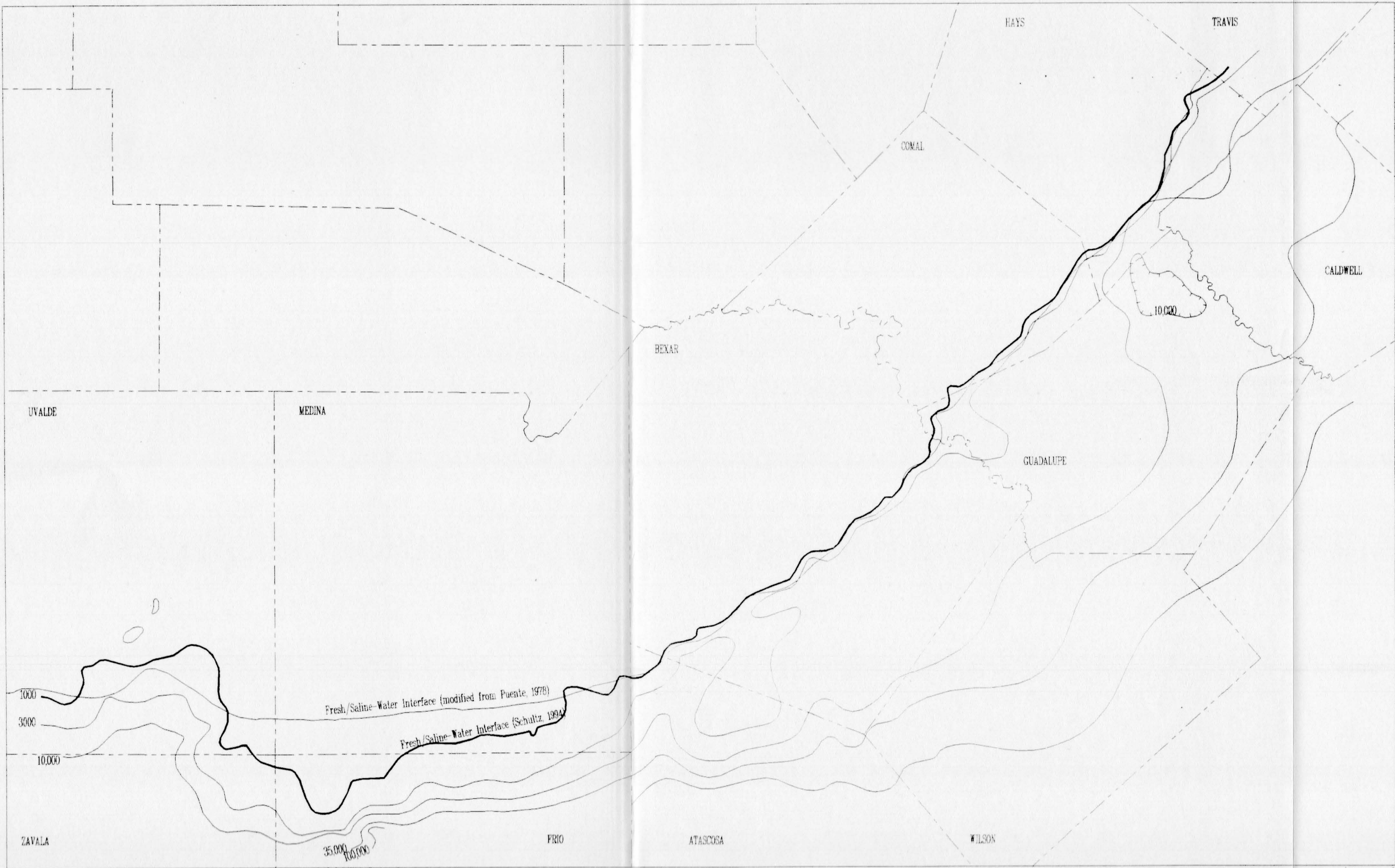


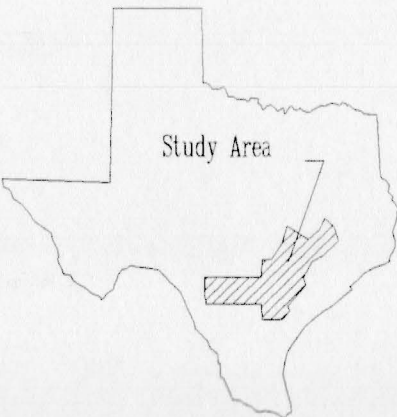
Figure 8. Total Dissolved Solids Contour Map (Lytle to Uvalde, Texas)
See Plate 3.



Explanation

— Lines of equal estimated TDS in MG/L
(contour interval variable).

Scale in Miles
0 5 10 15



Edwards Underground Water District
July 24, 1994

Figure 9. Total Dissolved Solids Contour Map (Uvalde to Kyle, Texas). See Plate 4.