

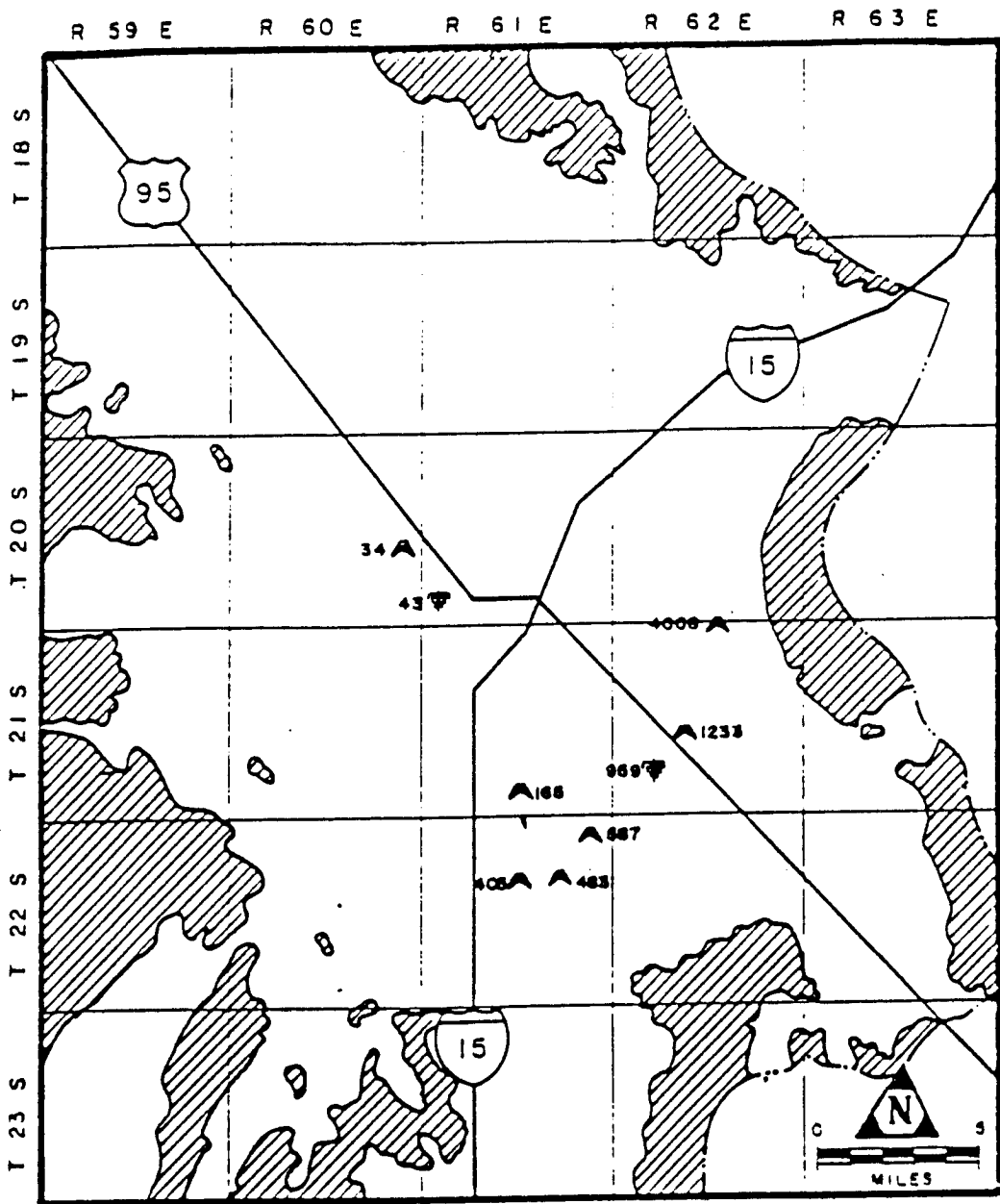
**EXPLANATION**

 CONSOLIDATED ROCKS

Values in mg/L.

A WELL  
F SPRING

Figure 12.--Total Dissolved solids (TDS) concentrations, Las Vegas Valley 1912.



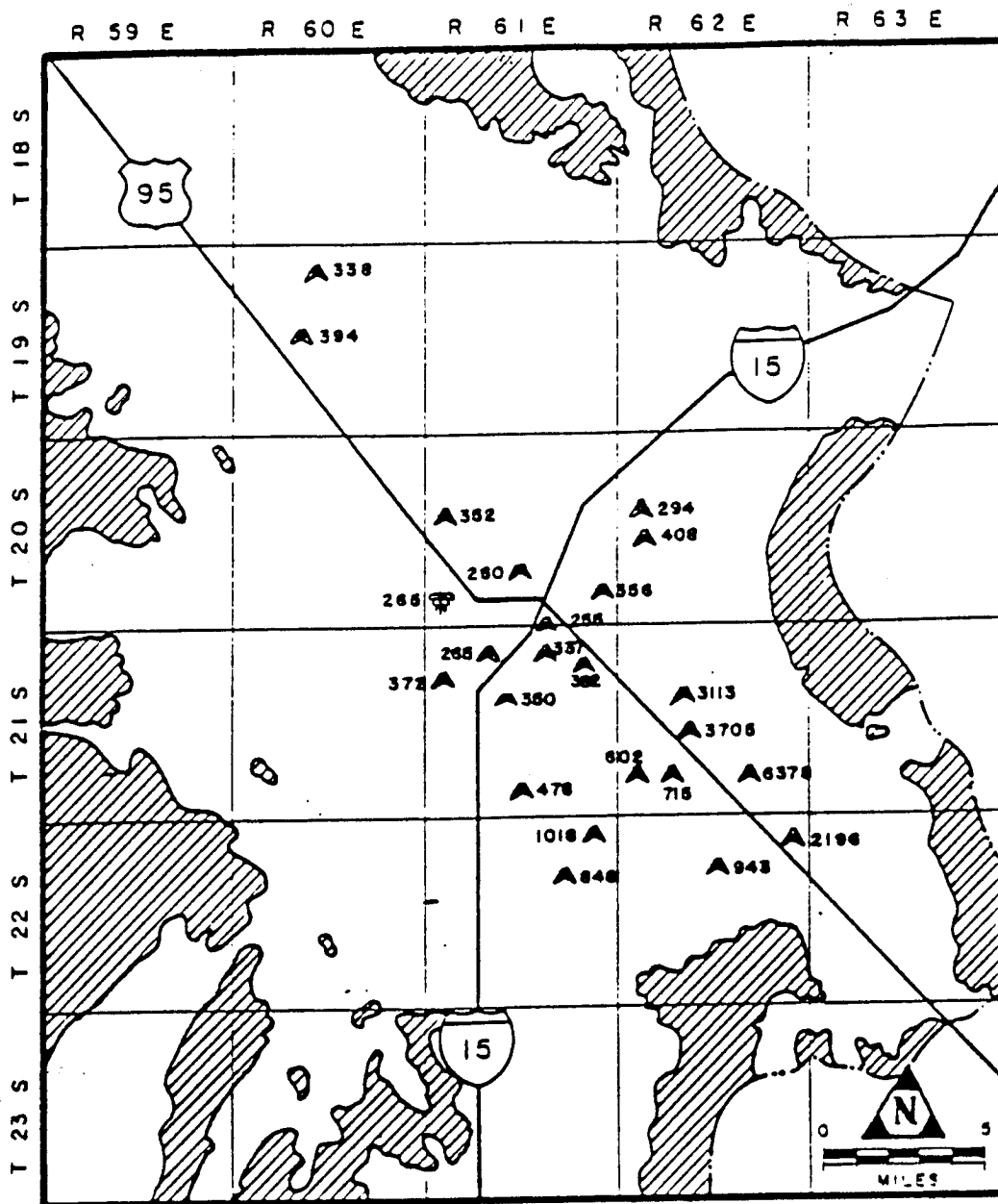
**EXPLANATION**

 CONSOLIDATED ROCKS

Values in mg/L

-  WELL
-  SPRING

Figure 13.--Sulfate (SO<sub>4</sub>) concentrations, Las Vegas Valley 1912.



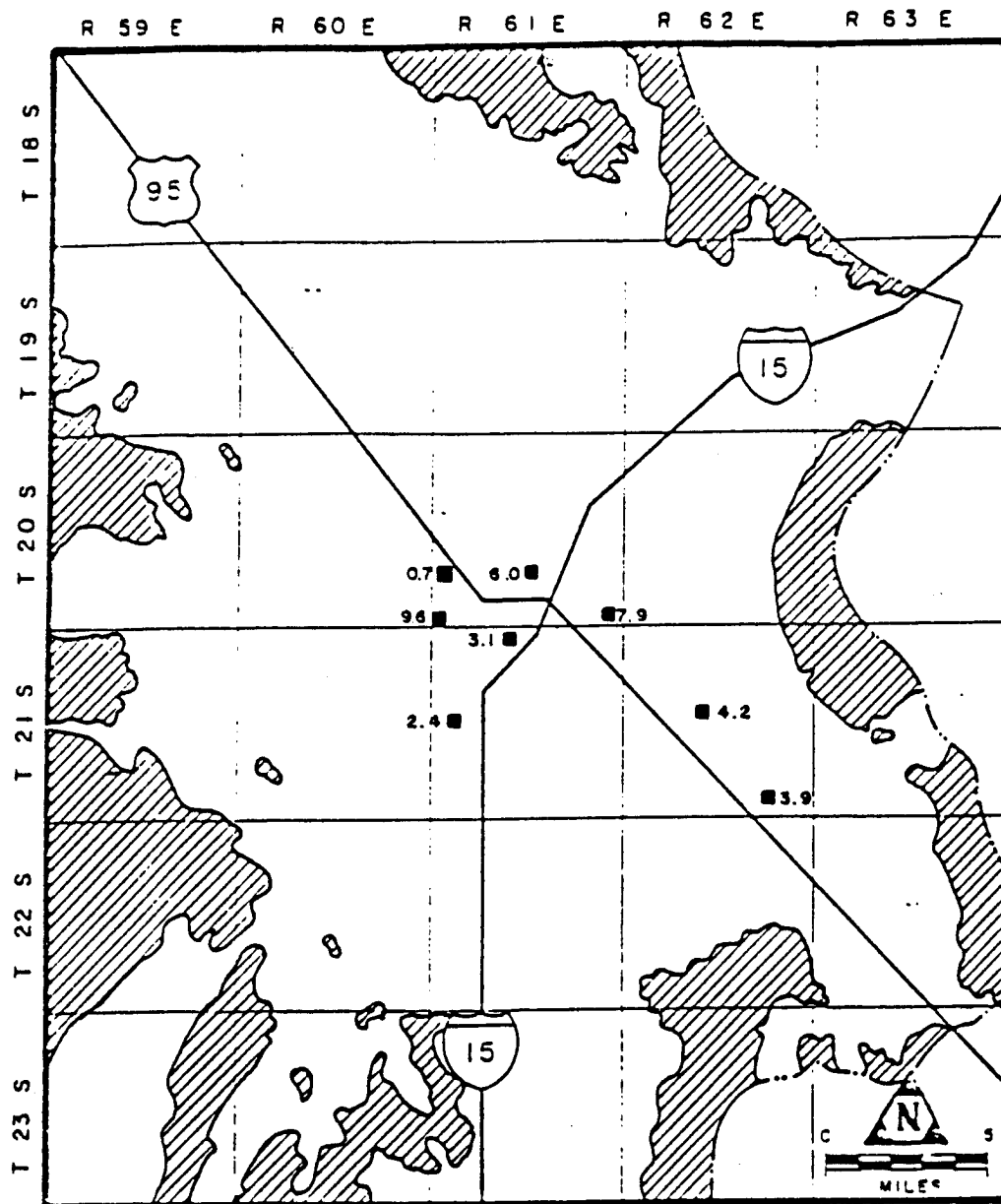
**EXPLANATION**

CONSOLIDATED ROCKS

Values in mg/L

WELL  
 SPRING

Figure 14.--Total dissolved solids (TDS) concentrations, Las Vegas Valley, circa 1945.



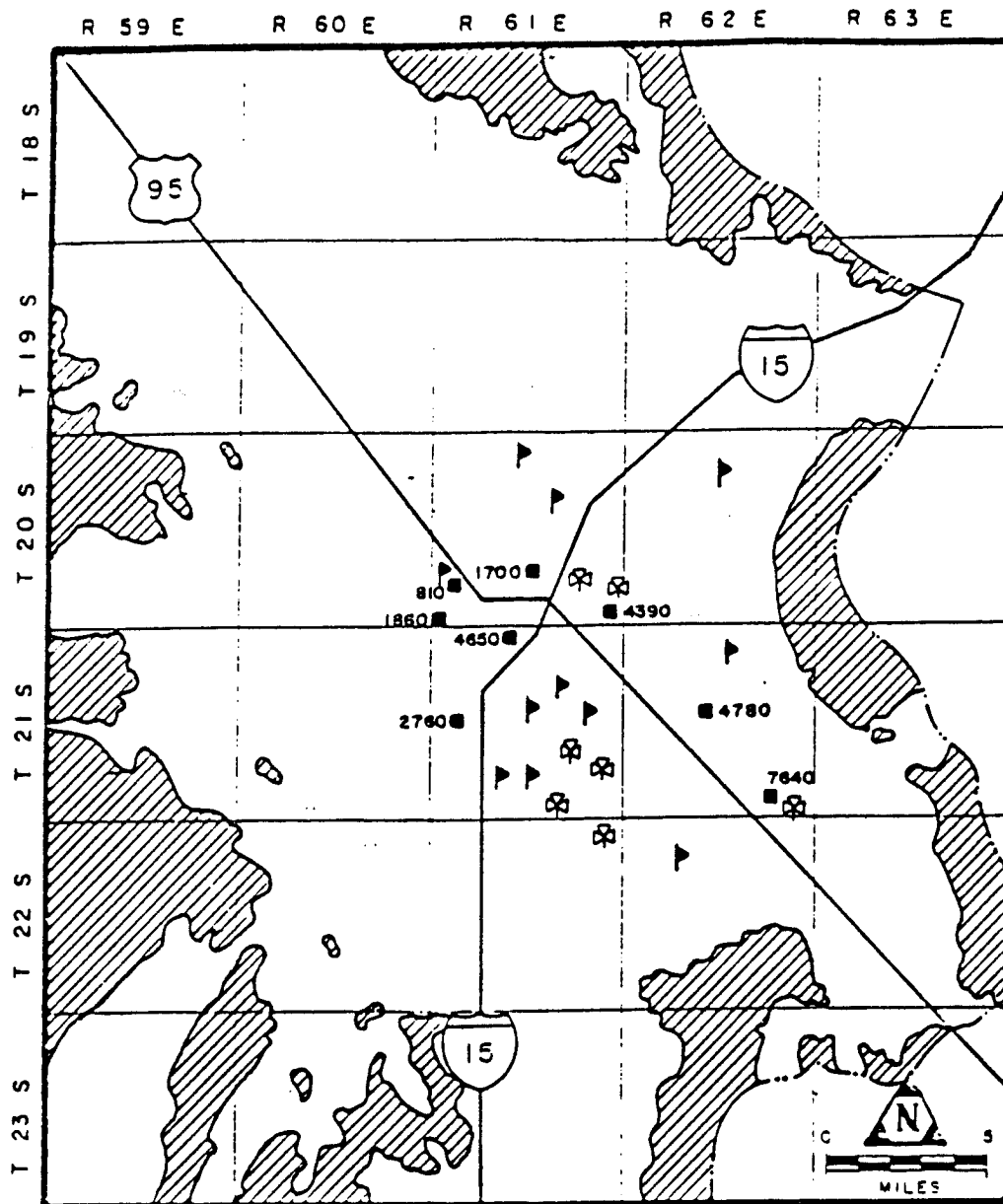
**EXPLANATION**

 CONSOLIDATED ROCK

Values in mg/L

 SHALLOW, 0-30 ft. below water table and the water table is within 20 ft. of land surface

Figure 19.--Total organic carbon (TOC) concentrations, Las Vegas Valley shallow aquifer, 1987.



**EXPLANATION**

 CONSOLIDATED ROCKS

Values in mg/L




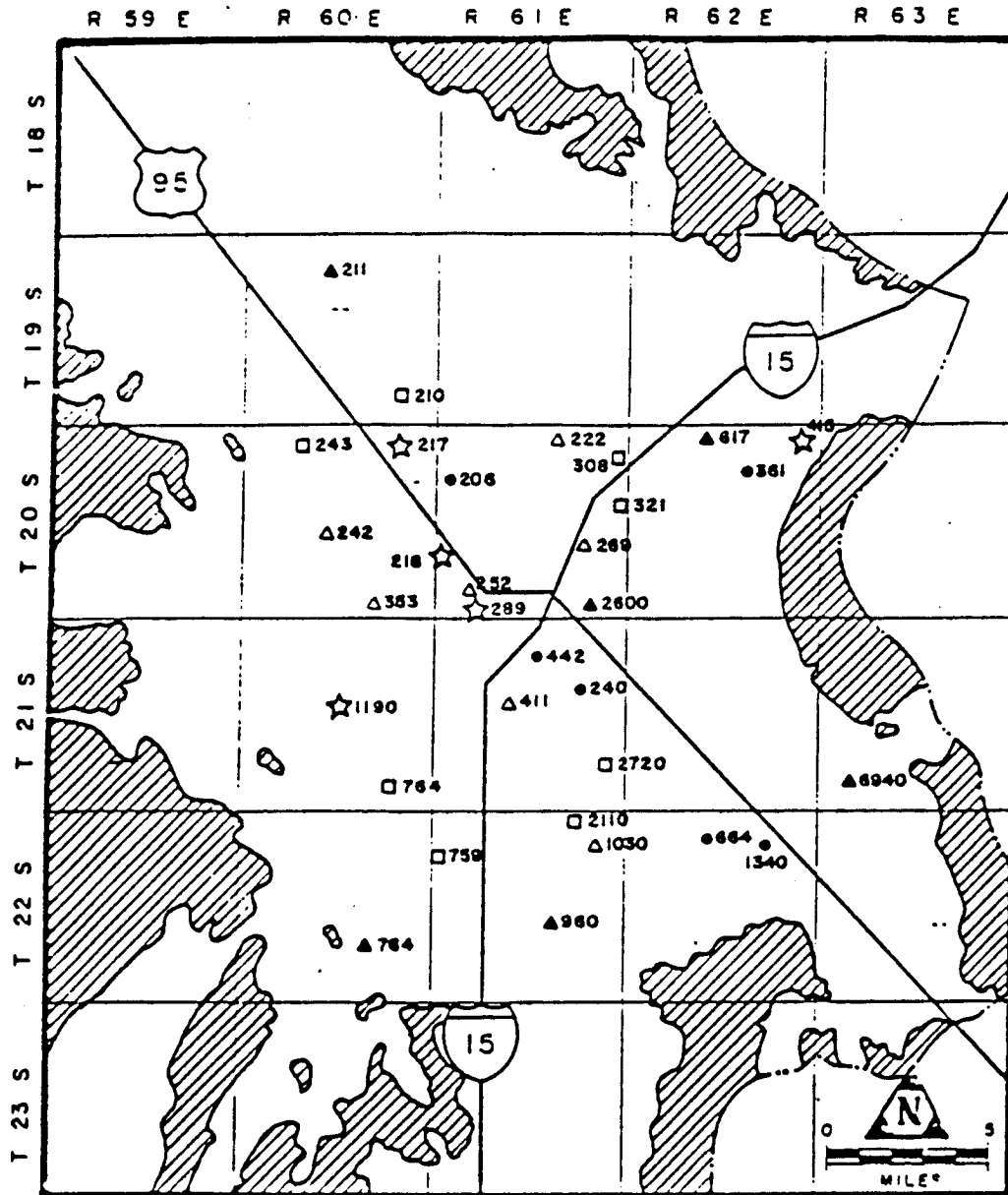
-  SHALLOW, 0-30 ft. below water table and the water table is within 20 ft. of land surface
-  GOLF COURSE
-  TURF AREA Larger than 5 acres

Figure 20.--Location of large turf areas, central and eastern part of Las Vegas Valley, showing TDS concentrations of wells completed in the shallow aquifer.



**EXPLANATION**

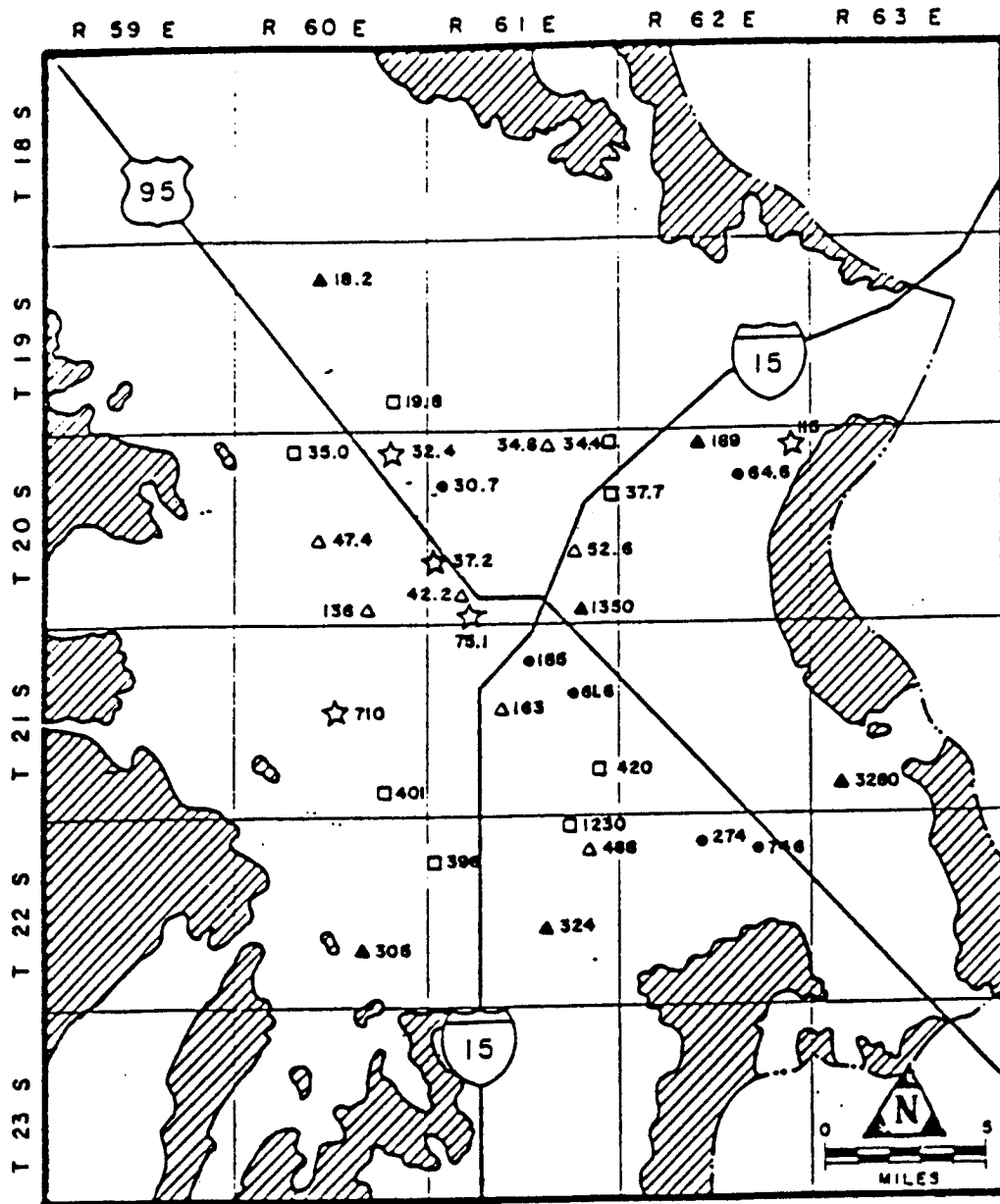
CONSOLIDATED ROCKS

Values in mg/L

- SHALL/INTER. 0-200 ft. below water table and the water table is greater than 20 ft. below land surface
- ▲ INTERMEDIATE. 30-200 ft. below water table
- △ INTER./DEEP. 30->200 ft. below water table
- DEEP. >200 ft. below water table
- ☆ ALL ZONES

Site numbers correspond to the appendix






Figure 21.--Total dissolved solids (TDS) concentrations, Las Vegas Valley near surface reservoir and principal aquifers, 1987.



### EXPLANATION

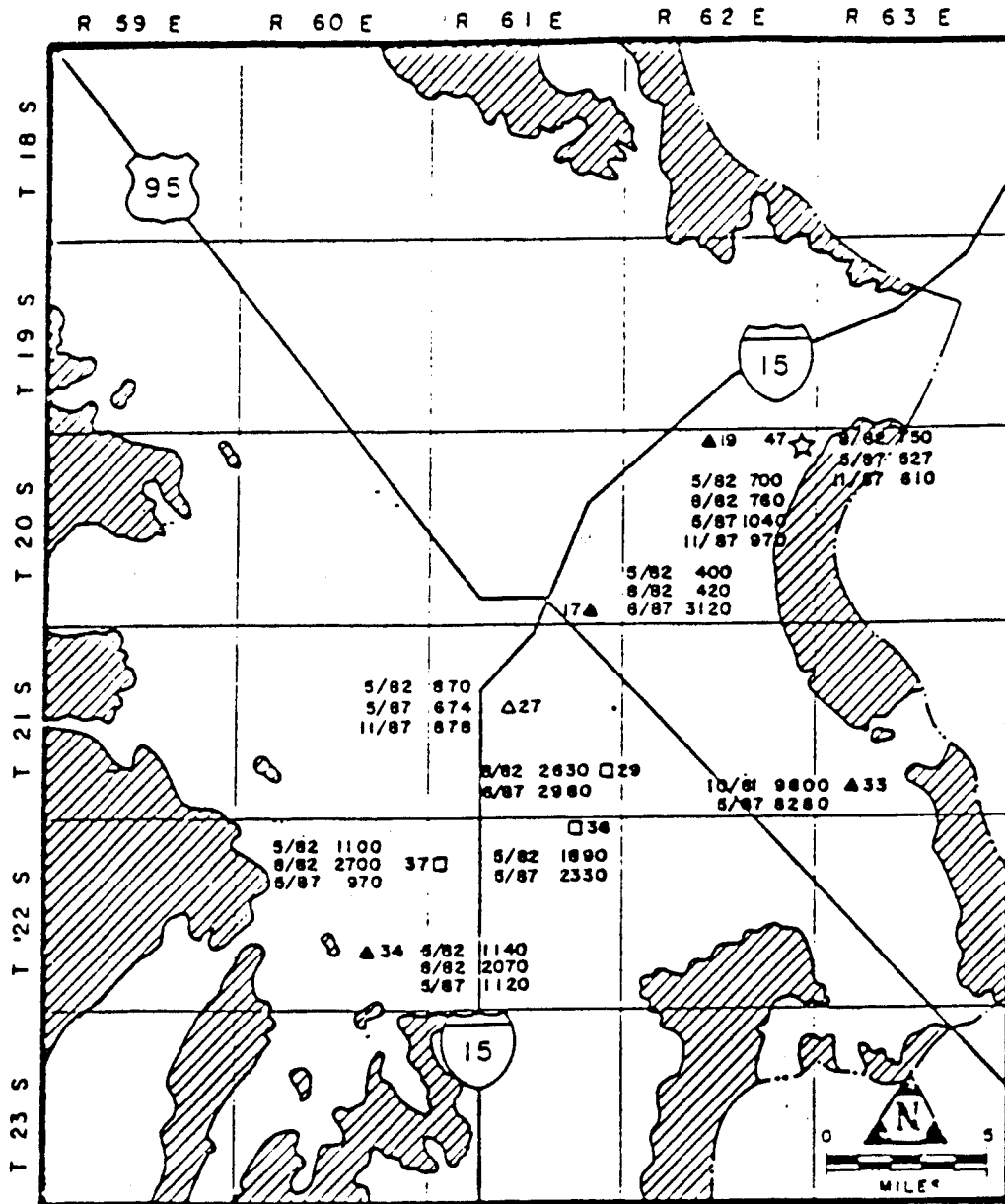
 CONSOLIDATED ROCKS

#### Values in mg/L

-  SHALL/INTER. 0-200 ft. below water table and the water table is greater than 20 ft. below land surface
-  INTERMEDIATE. 30-200 ft. below water table
-  INTER./DEEP. 30->200 ft. below water table
-  DEEP. >200 ft. below water table
-  ALL ZONES

Site numbers correspond to the appendix

Figure 22.--Sulfate ( $\text{SO}_4$ ) concentrations, Las Vegas Valley near surface reservoir and principal aquifers, 1987.



### EXPLANATION

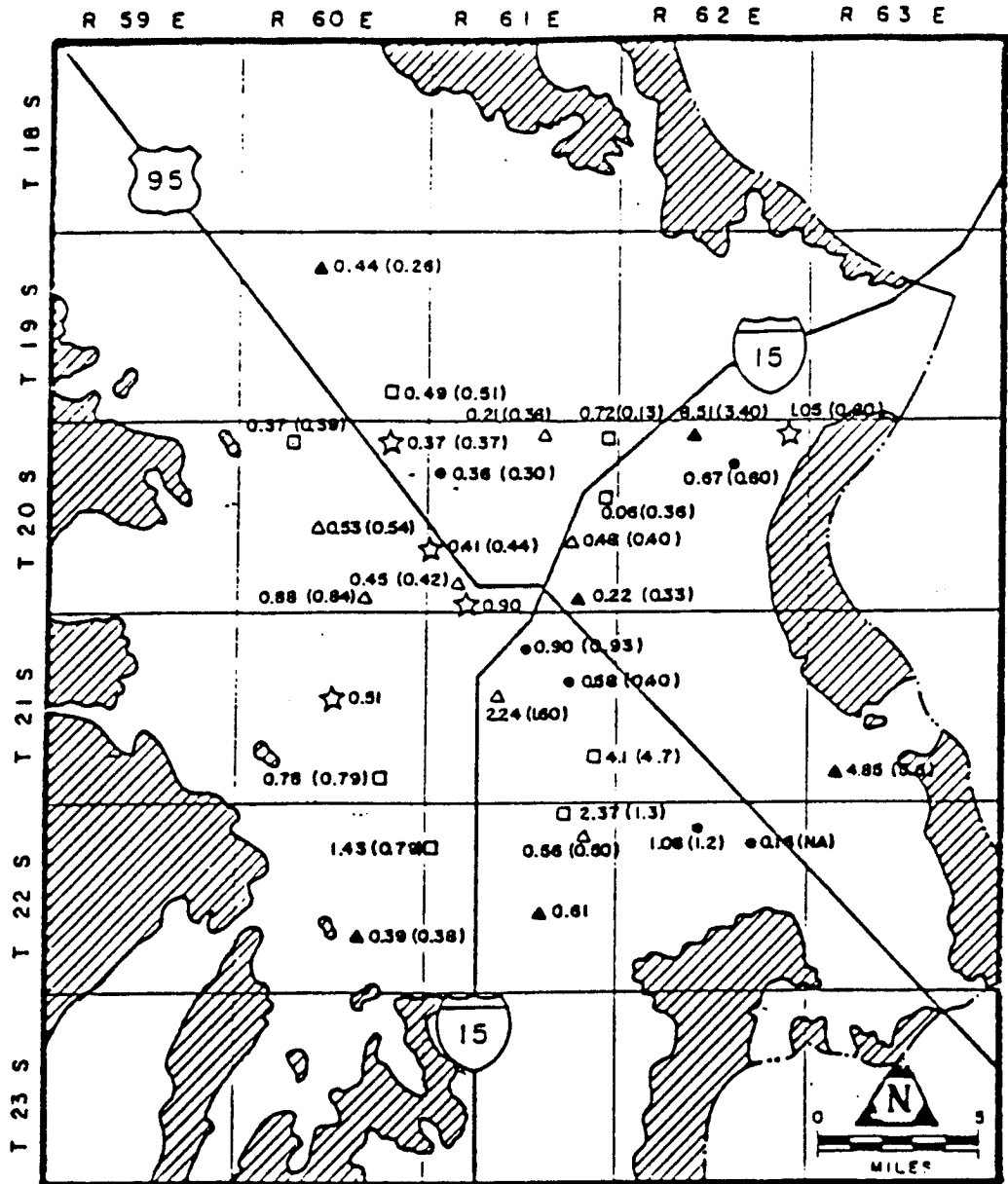
CONSOLIDATED ROCKS

Values in umhos/cm

- SHAL/INTER. 0-200 ft. below water table and the water table is greater than 20 ft. below land surface
- ▲ INTERMEDIATE. 30-200 ft. below water table
- △ INTER./DEEP. 30->200 ft. below water table
- DEEP. >200 ft. below water table
- ☆ ALL ZONE

Site numbers correspond to the appendix

Figure 23.--Conductivity (micromhos/cm) measurements for site Nos. 17, 19, 27, 29, 33, 34, 36, 37, and 47.



**EXPLANATION**

 CONSOLIDATED ROCKS

Values in mg/L

- ( ) 1981-1983 VALUES
- SHALL/INTER. 0-200 ft. below water table and the water table is greater than 20 ft. below land surface
- ▲ INTERMEDIATE, 30-200 ft. below water table
- △ INTER./DEEP, 30-200 ft. below water table
- DEEP, >200 ft. below water table
- ☆ ALL ZONES

Site numbers correspond to the appendix

Figure 24.--Nitrate (NO<sub>3</sub> as N) concentrations, Las Vegas Valley near surface reservoir and principal aquifers, 1981-1983, and 1987.

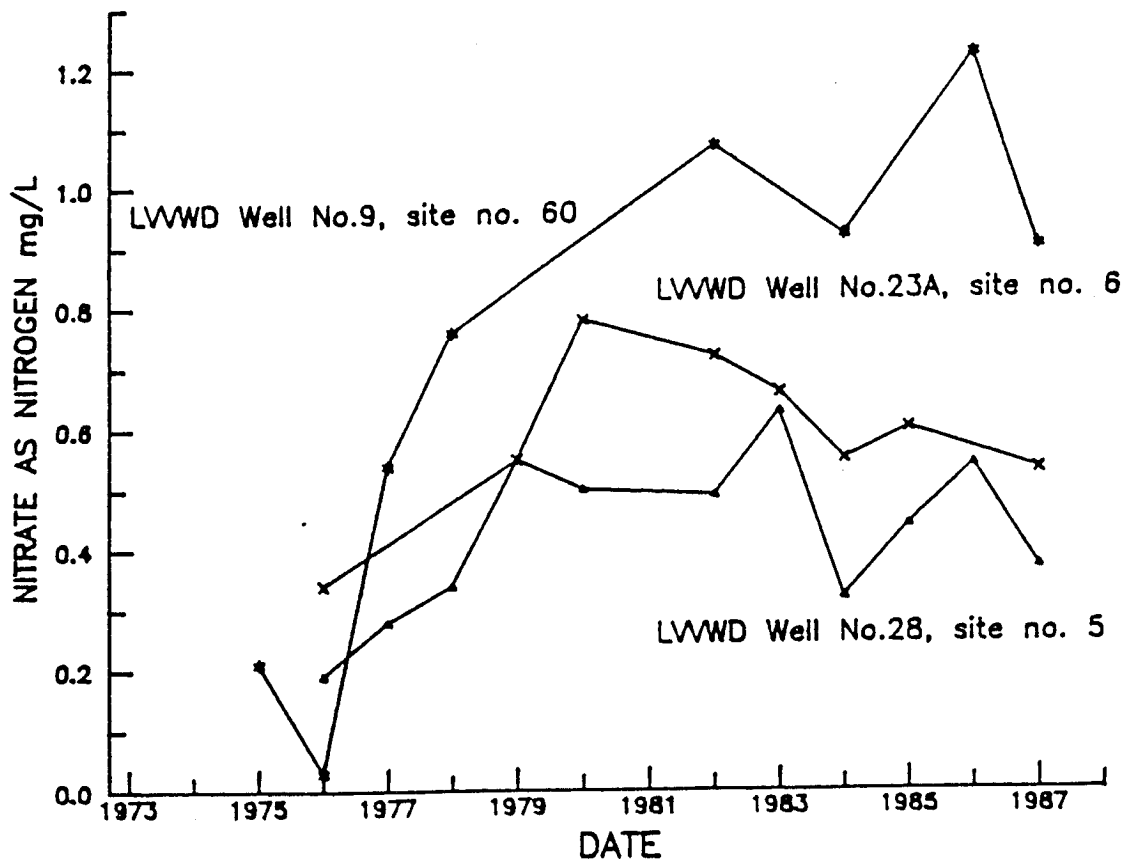


Figure 25.--Nitrate ( $\text{NO}_3$  as N) concentrations, Las Vegas Valley Water District Well Nos. 23A, 28, and 9.