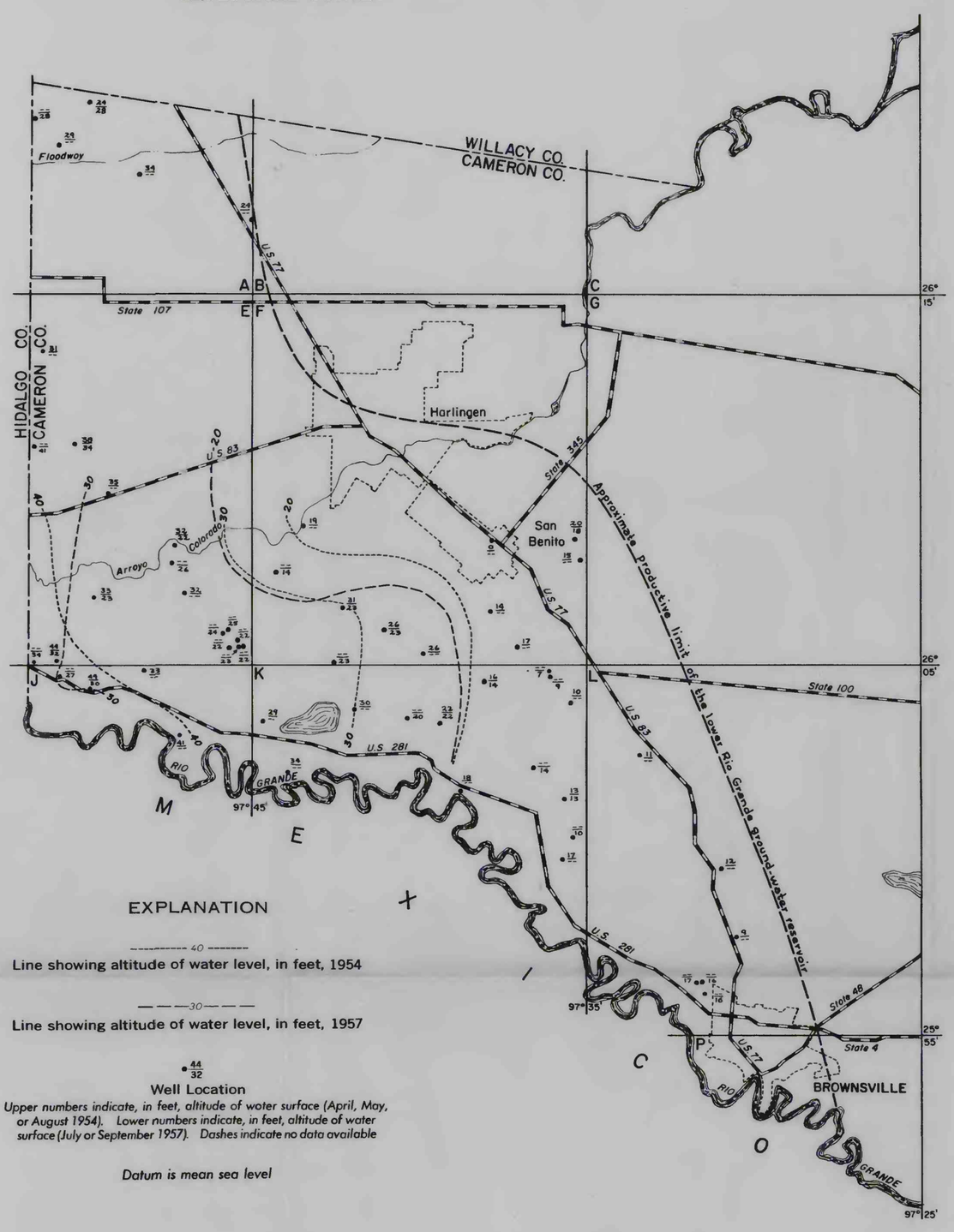


EXPLANATION

Line showing altitude of water level, in feet, 1954

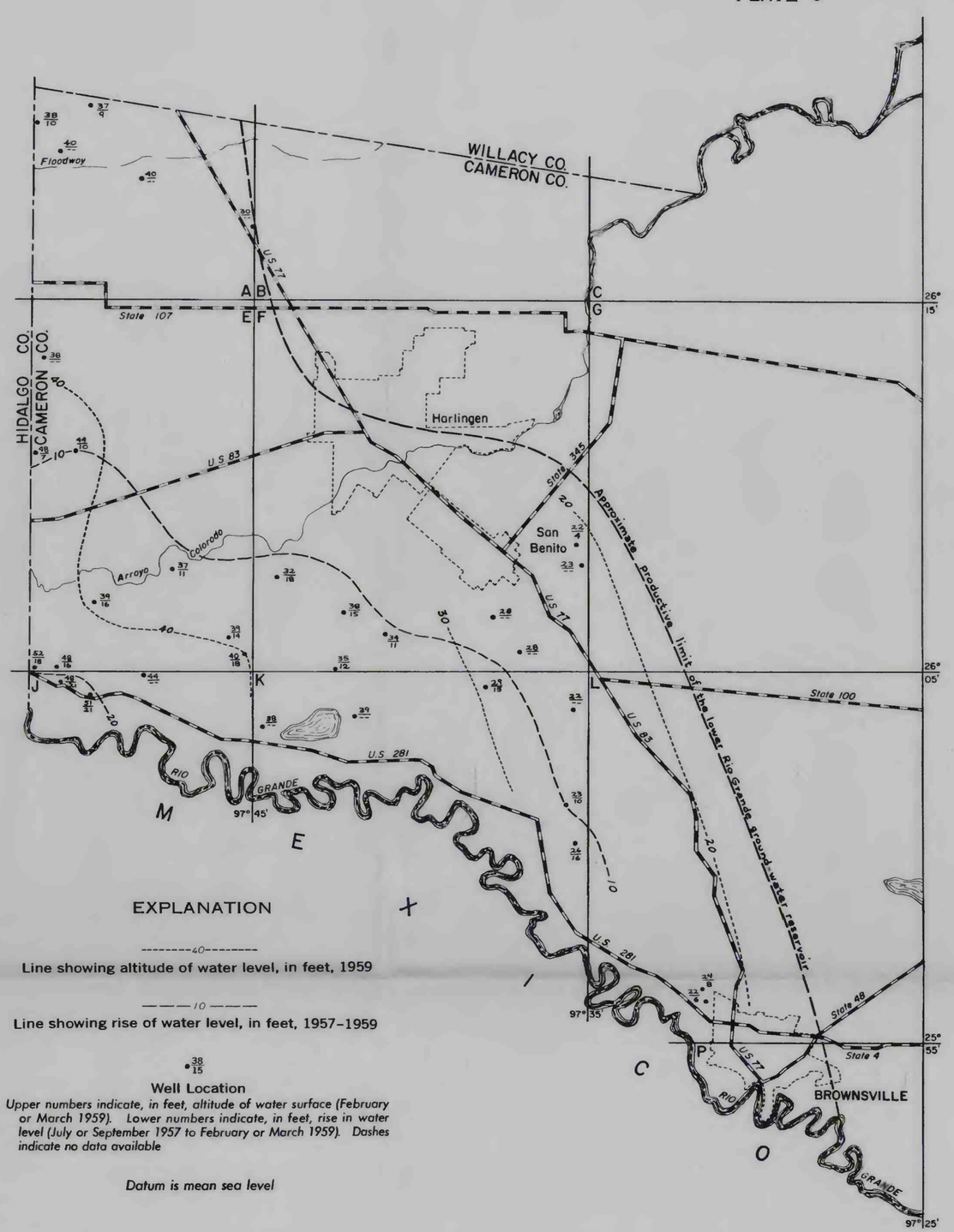
Line showing altitude of water level, in feet, 1957

Well Location

Upper numbers indicate, in feet, altitude of water surface (April, May, or August 1954). Lower numbers indicate, in feet, altitude of water surface (July or September 1957). Dashes indicate no data available

Datum is mean sea level

ALTITUDE OF THE WATER SURFACE IN 1954 AND 1957



EXPLANATION

Line showing altitude of water level, in feet, 1959

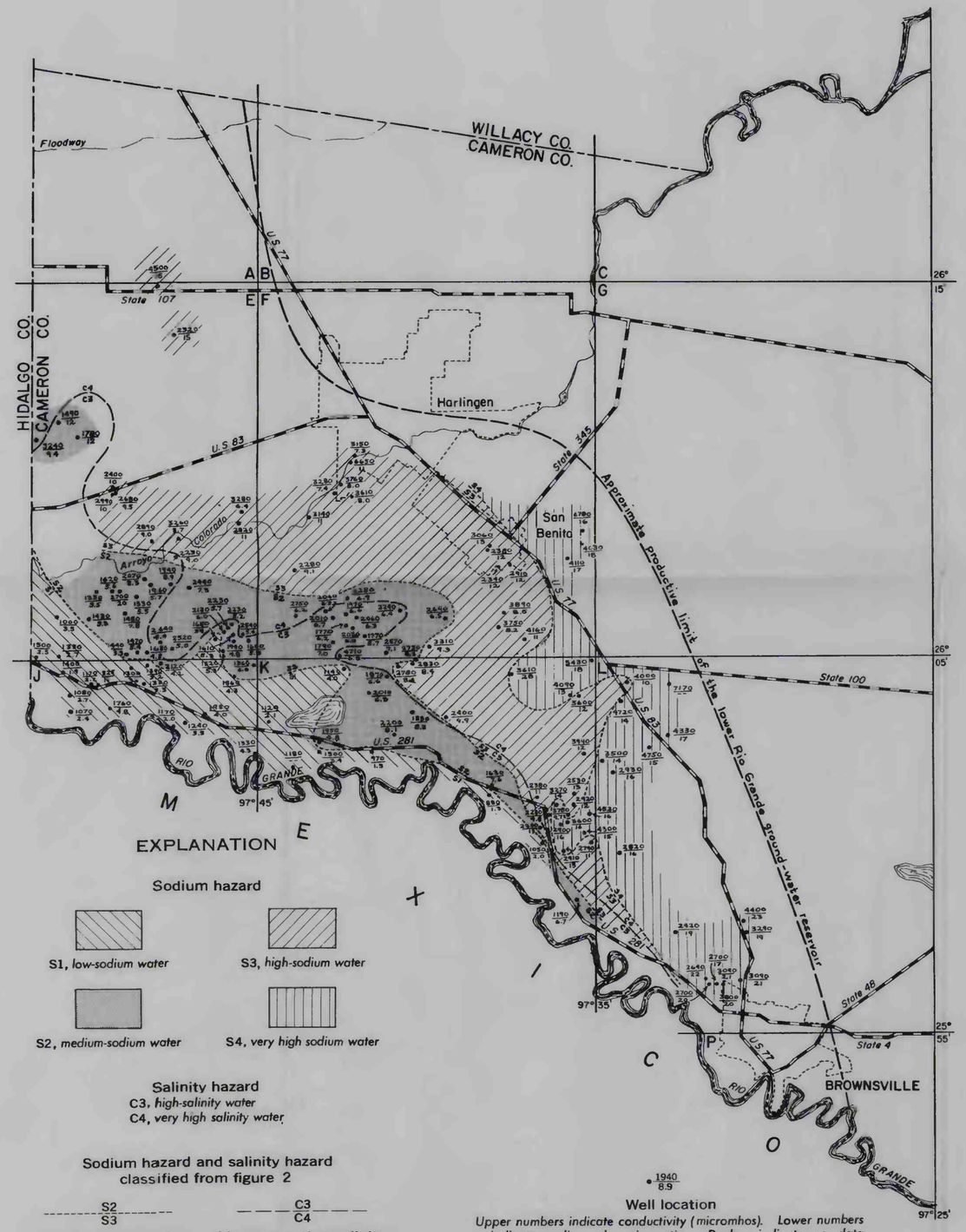
Line showing rise of water level, in feet, 1957–1959

Well Location

Upper numbers indicate, in feet, altitude of water surface (February or March 1959). Lower numbers indicate, in feet, rise in water level (July or September 1957 to February or March 1959). Dashes indicate no data available

Datum is mean sea level

ALTITUDE OF THE WATER SURFACE IN 1959 AND THE RISE IN WATER LEVEL FROM 1957 TO 1959



EXPLANATION

Sodium hazard

S1, *low-sodium water*

S3, *high-sodium water*

S2, *medium-sodium water*

S4, *very high sodium water*

Salinity hazard

C3, *high-salinity water*

C4, *very high salinity water*

Sodium hazard and salinity hazard classified from figure 2

S2/S3 — Line separating sodium hazard classes

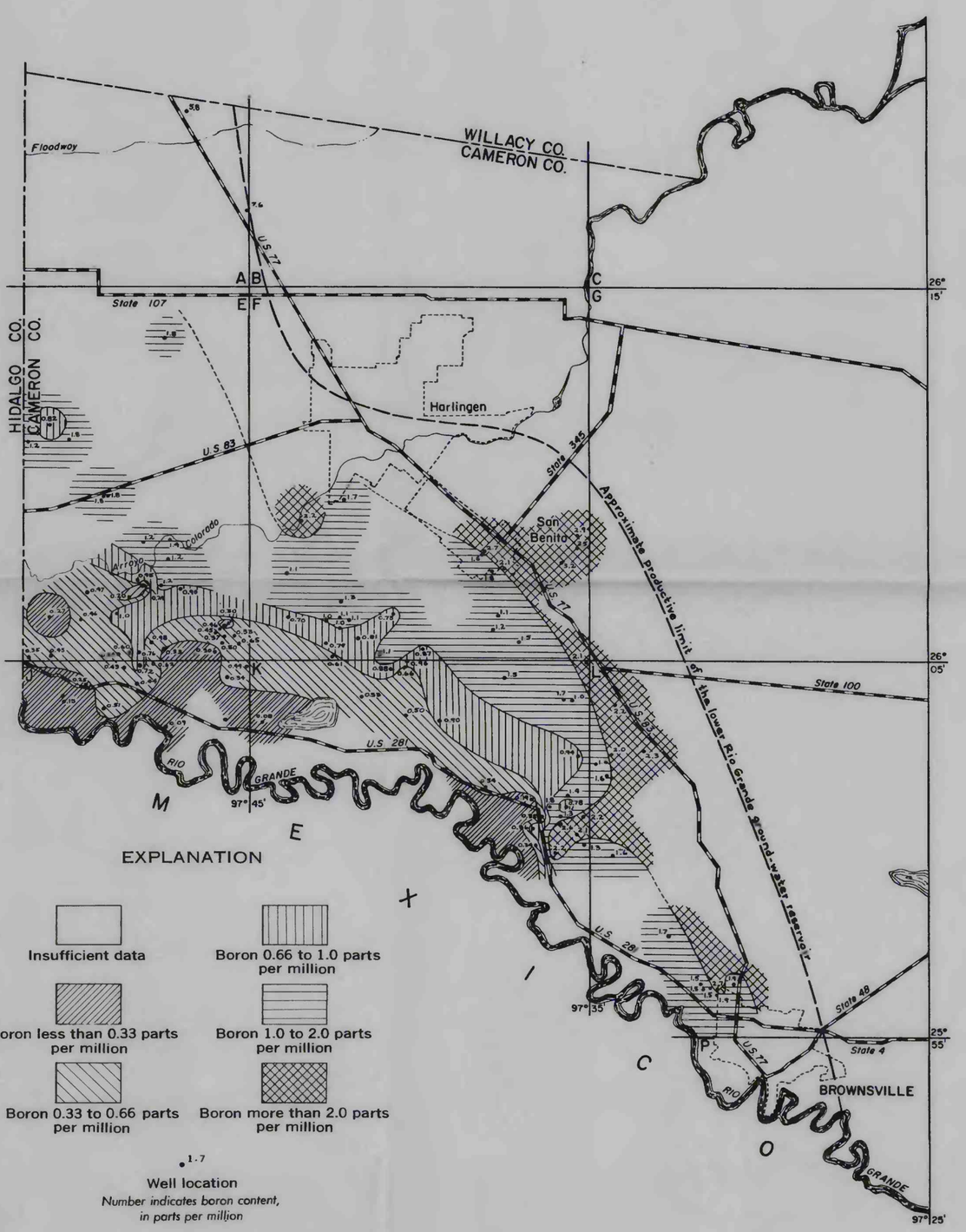
C3/C4 — Line separating salinity hazard classes

Well location

Upper numbers indicate conductivity (micromhos). Lower numbers indicate sodium-adsorption-ratio. Dashes indicate no data available

Data are for wells from 100 to 303 feet in depth

SALINITY AND SODIUM HAZARD OF WATER



EXPLANATION

Insufficient data

Boron less than 0.33 parts per million

Boron 0.33 to 0.66 parts per million

Boron 0.66 to 1.0 parts per million

Boron 1.0 to 2.0 parts per million

Boron more than 2.0 parts per million

Well location

Number indicates boron content, in parts per million

Data are for wells from 100 to 303 feet in depth

BORON CONTENT OF WATER

TRUE NORTH
MAGNETIC NORTH
9°
APPROXIMATE MEAN DECLINATION, 1963

Base adapted from general highway maps of the Texas Highway Department, 1956

MAPS SHOWING WATER TABLE AND QUALITY OF WATER OF THE LOWER RIO GRANDE GROUND-WATER RESERVOIR IN WESTERN CAMERON COUNTY, TEXAS

SCALE 1:250 000

4 0 4 8 12 16 MILES

4 0 4 8 12 16 KILOMETERS

710-053 O - 64 (In pocket)