



EXPLANATION

Note: Each dot represents one or more water sources, such as a well

Dissolved solids, in milligrams per liter

A	0—1,000	Upper Paraíba basin
B	1,001—2,000	
C	2,001—4,000	
D	4,001—8,000	
E	8,001—23,500	

Representative waters from several rock types (from published reports, see list below)

- a, granite, rhyolite, and related rocks
- b, gabbro and basalt
- c, slate, schist, gneiss, and greenstone
- d, limestone and marble
- e, dolomite

a, Hem (1959, table 6, Nos. 2 and 3, and table 11, No. 1) and White, Hem, and Waring (1963, table 1) (7 granites, 5 rhyolites, 2 quartz monzonites, 2 granodiorite, 1 rhyolitic tuff, and 1 silicic volcanic rock)

b, Hem (1959, table 6, Nos. 4 and 5) and White, Hem, and Waring (1963, table 2, Nos. 1-3 and 8-16) (11 basalts and 3 gabbros)

c, Hem (1959, table 6, No. 9) and White, Hem, and Waring (1963, table 10, Nos. 1-13 and 15) (7 schists, 6 gneisses, 1 slate, and 1 greenstone)

d, White, Hem, and Waring (1963, table 6, and table 9, Nos. 6-7) (14 limestones and 2 marbles)

e, White, Hem, and Waring (1963 table 7) (6 dolomites)

EXPLANATION

○ 3056
Well
Number is dissolved solids, in milligrams per liter

Boundary of upper Paraíba basin

NAMES AND BOUNDARY REPRESENTATION ARE NOT NECESSARILY AUTHORITATIVE

Base from photogeologic maps by Departamento Nacional da Produção Mineral (DNPM), 1963-64

MAP SHOWING CONCENTRATION OF DISSOLVED SOLIDS IN GROUND WATER AND GRAPHS COMPARING IONIC RATIOS OF SELECTED CONSTITUENTS IN GROUND WATER TO SEA WATER, UPPER PARAÍBA BASIN, PARAÍBA, BRAZIL

