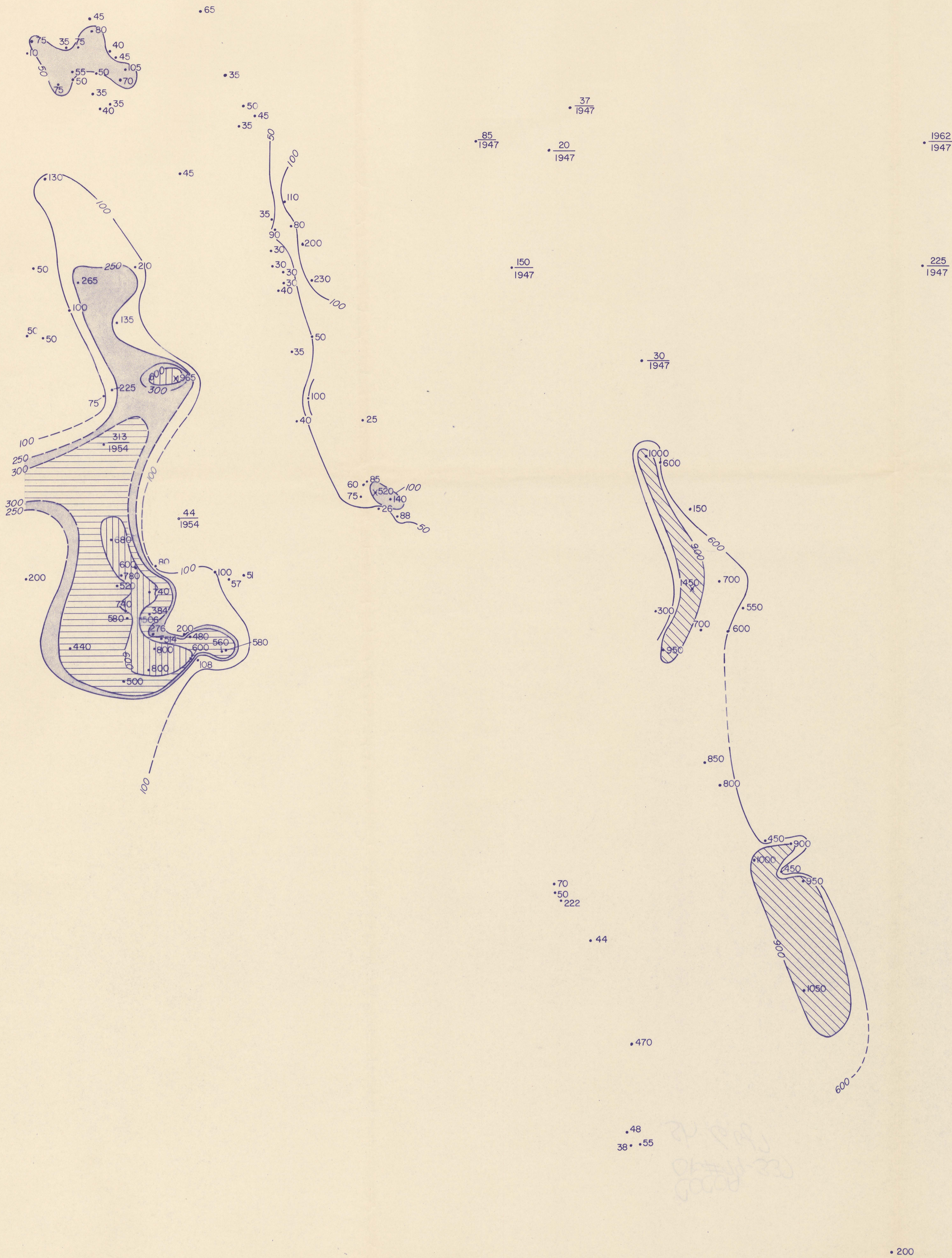


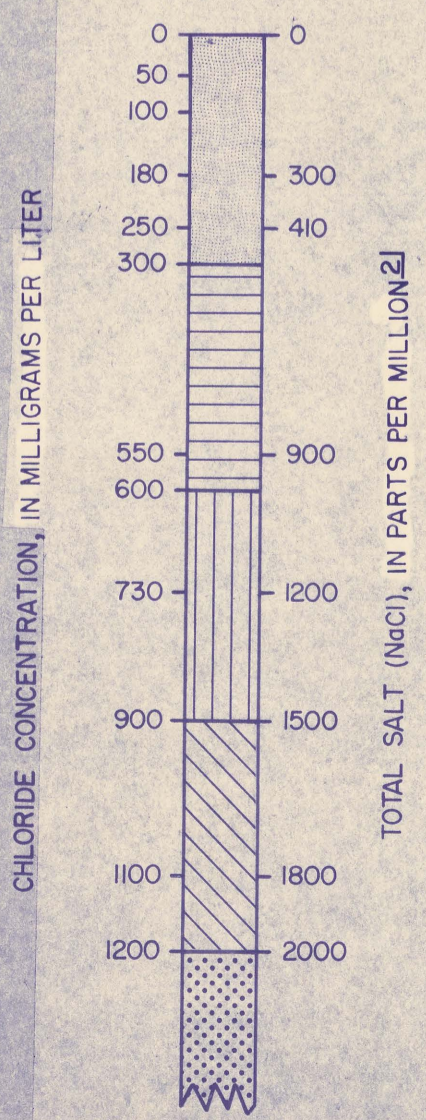
80°45'  
28°22'30"

80°37'30"



EXPLANATION

AGRICULTURAL SIGNIFICANCE <sup>1</sup>



- 0 - 300: Injures some orchids  
Recommended limit for public supplies <sup>3</sup>
- 300 - 900: Kills azaleas, causes injury to some tender plants, vegetables, flowers, and citrus foliage
- 900 - 1200: Damages a number of succulent plants
- 1200 - 1500: Damages bahiagrass, sweetgum, fibouching, and many foliage plants
- 1500 - 1800: Injures many woody plants including citrus (root area)
- 1800 - 2000: Not recommended for plant use except St. Augustine grass. Water may damage or kill plants when watering lawn.

NOTE: Well density is insufficient in some areas to allow contouring of chloride concentrations.

- 100 ---: LINE OF EQUAL CHLORIDE CONCENTRATION, November 1976 to July 1977. Dashed where approximately located. Some control data are on adjacent quadrangle. Contour interval 50, 150 and 300 milligrams per liter.
- 500: WELL SAMPLED FOR CHLORIDE ANALYSIS. Number is chloride concentration, in milligrams per liter. Local well number is shown on sheet 1.
- 30/1947: WELL SAMPLED FOR CHLORIDE ANALYSIS IN PREVIOUS YEARS. Top number is chloride concentration, in milligrams per liter. Bottom number is year of sample collection.
- X 520: WELL SAMPLED FOR WHICH CHLORIDE CONCENTRATION, AS ANALYZED, DOES NOT FIT WITHIN THE GENERAL RANGE AS CONTOURED. This may result from localized conditions of recharge or discharge; from varying depths of sampled wells; or from error in reported depth of some wells.

<sup>1</sup> Agricultural significance levels were derived from experimental greenhouse plots and field observations, and reported as a form letter distributed by Brevard County Cooperative Extension Service (Rose, 1977) (reference, sheet 3).

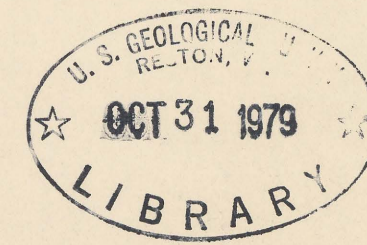
<sup>2</sup> Total salt values represent sodium chloride (NaCl) and other chloride salts present in ground-water samples analyzed by the Brevard County Cooperative Extension Service (Rose, 1977) using the solu-bridge electrode method. Total salt values are listed to provide a comparison for agricultural interests and homeowners using data from both sources. Chloride concentrations, in milligrams per liter, are portrayed on this overlay.

<sup>3</sup> National Academy of Sciences and National Academy of Engineering, 1974 (reference, sheet 3).

COCOA QUADRANGLE, FLORIDA  
1949, PHOTOREVISED 1970,  
7.5-minute series, 1:24000

OVERLAY MAP OF THE COCOA QUADRANGLE, FLORIDA; CHLORIDE CONCENTRATION OF WATER IN THE SHALLOW AQUIFER, 1976-77

By  
James M. Frazee, Jr.,  
and  
C. P. Laughlin  
1979



179-337m  
M(200)  
R290  
R-337  
SW6  
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