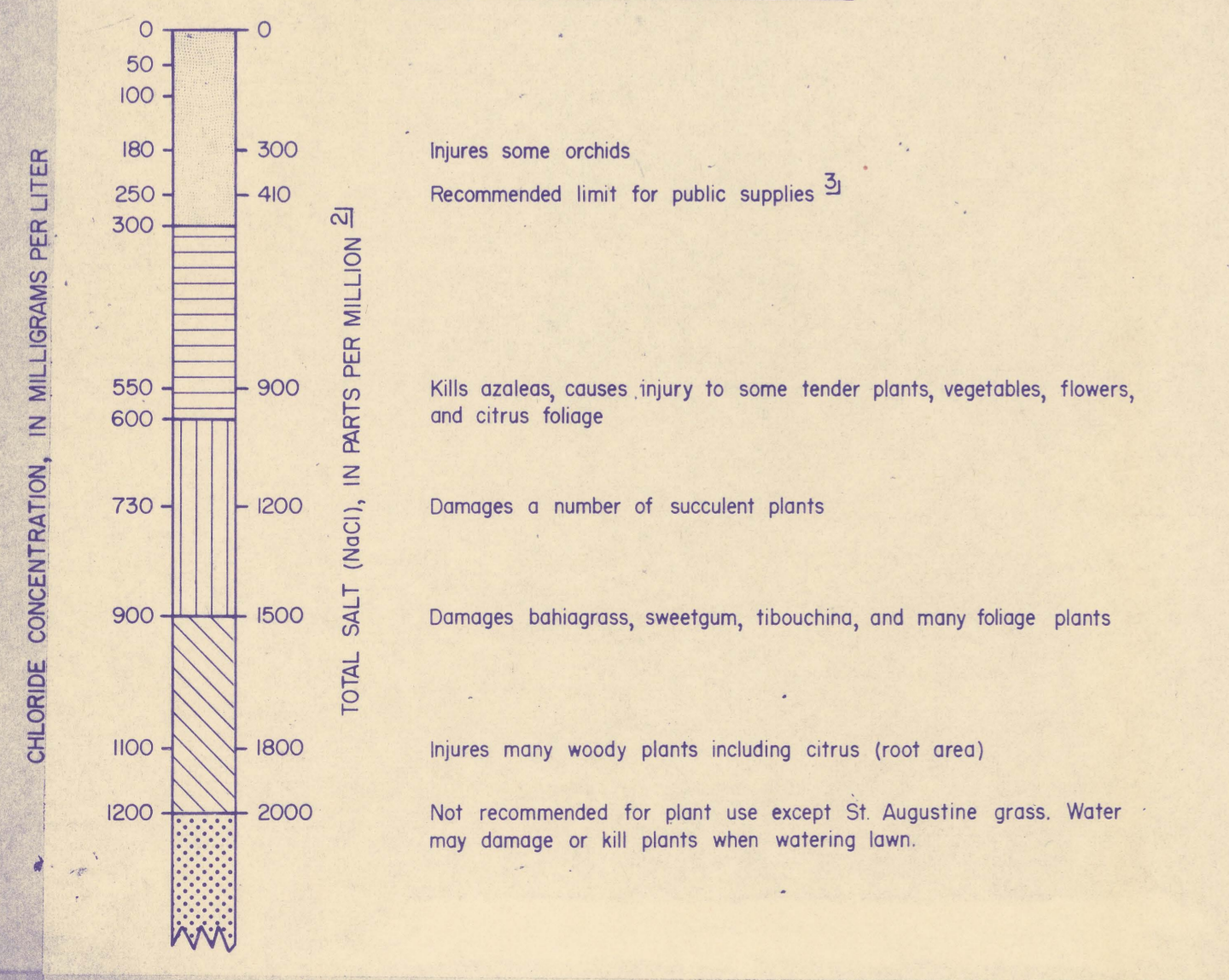




EXPLANATION

AGRICULTURAL SIGNIFICANCE



- 900 — LINE OF EQUAL CHLORIDE CONCENTRATION, September 1976 to July 1977. Dashed where approximately located. Some control data are on adjacent quadrangle. Contour interval 300 milligrams per liter.
- 680 WELL SAMPLED FOR CHLORIDE ANALYSIS. Number is chloride concentration, in milligrams per liter. Local well number is shown on sheet 1.
- 805/1957 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 580 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.

1 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).

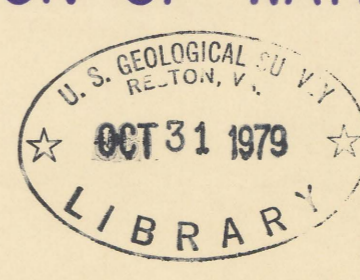
2 Total salt values represent sodium chloride (NaCl) and other chloride salts present in ground-water samples analyzed by the Brevard County Cooperative Extension Service (Rose, 1977) using the solu-bridge electrode method. Total salt values are listed to provide a comparison for agricultural interests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

3 National Academy of Sciences and National Academy of Engineering, 1974 (reference, sheet 1).

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 FLORIDAN AQUIFER, 1976-77

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



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