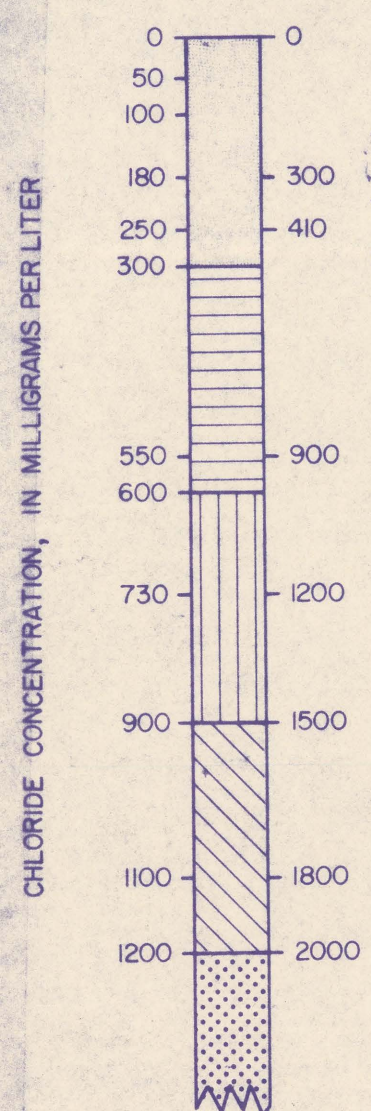


EXPLANATION

AGRICULTURAL SIGNIFICANCE ¹



- Injures some orchids
Recommended limit for public supplies ²
- Kills azaleas, causes injury to some tender plants, vegetables, flowers, and citrus foliage
- Damages a number of succulent plants
- Damages bahiagrass, sweetgum, tibouchina, and many foliage plants
- Injures many woody plants including citrus (root area)
- Not recommended for plant use except St. Augustine grass. Water may damage or kill plants when watering lawn.

1200

LINE OF EQUAL CHLORIDE CONCENTRATION, July 1975 to April 1976. Dashed where approximately located. Some control data are on adjacent quadrangle. Contour interval 50, 100, 150, and 300 milligrams per liter.

7200

WELL SAMPLED FOR CHLORIDE ANALYSIS. Number is chloride concentration, in milligrams per liter. Local well number is shown on sheet 1.

X110

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) (references, sheet 3).

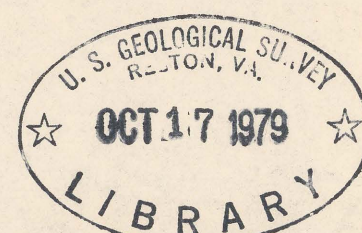
² Total salt values represent sodium chloride (NaCl) and other chloride salts present in ground-water samples analyzed by the Brevard County Cooperative Extension Service (Rose, 1977) using the in-bridge electrode method. Total salt values are listed to provide a comparison for agricultural interests 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, 1973 (references, sheet 3).

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

OVERLAY MAP OF THE TITUSVILLE QUADRANGLE, FLORIDA; CHLORIDE CONCENTRATION OF WATER IN THE FLORIDAN AQUIFER, 1975-76

By
James M. Frazee, Jr.,
and
C. P. Laughlin
1978



M(200)
R290
78-192m
Sheet 4
C.1
h0, 78-192m
Sheet 4
C.1