



EXPLANATION

AGRICULTURAL SIGNIFICANCE

| | | |
|-----|------|---|
| 0 | 0 | |
| 50 | 300 | Injures some orchids |
| 100 | 400 | Recommended limit for public supplies |
| 180 | 900 | Kills azaleas, causes injury to some tender plants, vegetables, flowers, and citrus foliage |
| 250 | 1200 | Damages a number of succulent plants |
| 300 | 1500 | Damages bahiagrass, sweetgum, tibouchina, and many foliage plants |
| 550 | 1800 | Injures many woody plants including citrus (root area) |
| 600 | 2000 | Not recommended for plant use except St. Augustine grass. Water may damage or kill plants when watering lawn. |

— 900 — LINE OF EQUAL CHLORIDE CONCENTRATION, February to April 1977. Dashed where approximately located. Some control data are on adjacent quadrangle. Contour interval 300 milligrams per liter.

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

• 580 / 1955 WELL SAMPLED FOR CHLORIDE ANALYSIS IN PREVIOUS YEARS. Top number is chloride concentration, in milligrams per liter. Bottom number is year of sample collection.

x1350 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 3).

CAPE CANAVERAL QUADRANGLE, FLORIDA
1951, PHOTOREVISED 1970.
7.5-minute series, 1:24000

OVERLAY MAP OF THE CAPE CANAVERAL QUADRANGLE, FLORIDA; CHLORIDE CONCENTRATION OF WATER IN THE FLORIDAN AQUIFER, 1977

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