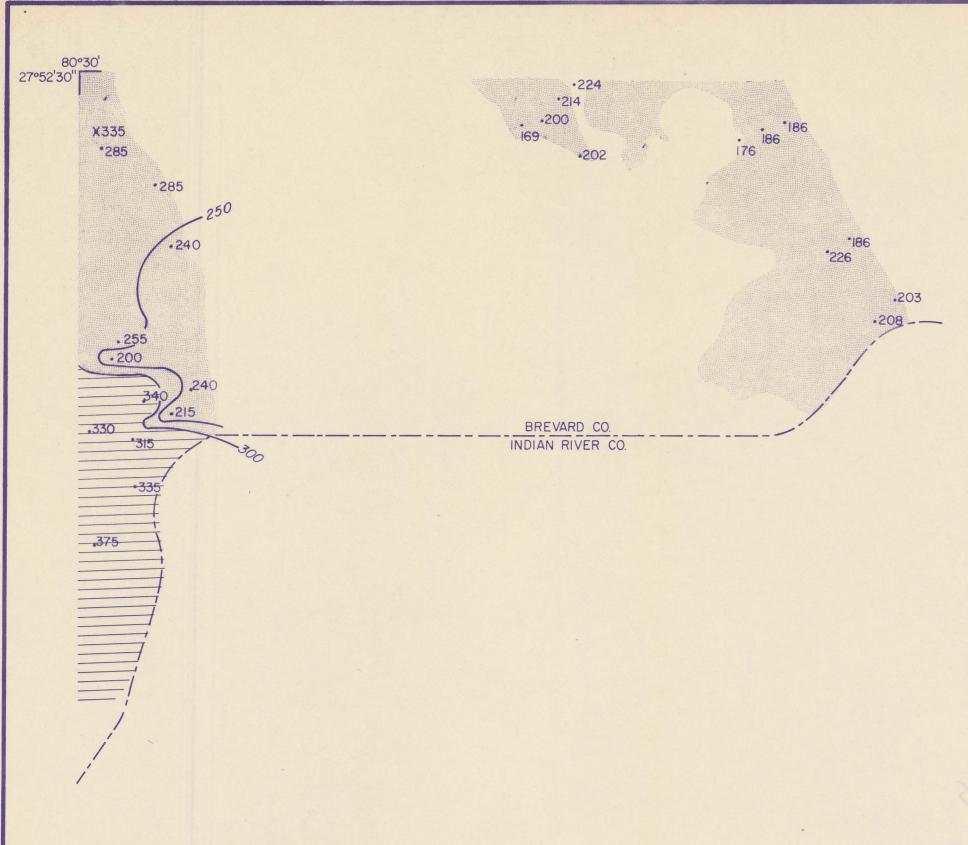
80°22'30"



5 E B & S T I AN 0. F 7 9 - 501

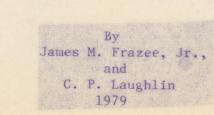
EXPLANATION AGRICULTURAL SIGNIFICANCE 1 100 -180 -- 300 Injures some orchids Recommended limit for public supplies 3 250 -300 -IN MILLIGRAMS 550 -Kills azaleas, causes injury to some tender plants, vegetables, flowers, and citrus foliage 600 CONCENTRATION, 730 -- 1200 Damages a number of succulent plants 900 - 1500 Damages bahiagrass, sweetgum, tibouchina, and many foliage plants 1100 -- 1800 Injures many woody plants including citrus (root area) Not recommended for plant use except St. Augustine grass. Water 1200 + - 2000 may damage or kill plants when watering lawn.

LINE OF EQUAL CHLORIDE CONCENTRATION, January 1975. Dashed where approximately located. Some control data are on adjacent quadrangle. Contour interval 50 milligrams per liter.

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

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.

- 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).

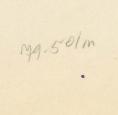


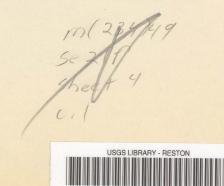
OVERLAY MAP OF THE SEBASTIAN QUADRANGLE, FLORIDA; CHLORIDE CONCENTRATION OF WATER IN THE FLORIDAN AQUIFER, 1975

• 240

X 335







SEBASTIAN QUADRANGLE, FLORIDA,

1949, PHOTOREVISED 1970

7.5-minute series, 1:24000

