80° 37′ 30″ 80° 45′ 28° 00' ___ .100 FELLSMERE NW QUADRANGLE, FLORIDA 1953, PHOTOREVISED 1970, 7.5-minute series, 1:24000 AGRICULTURAL SIGNIFICANCE 1 NOTE: INSUFFICIENT WELL DENSITY PRECLUDES CONTOURING 50 -OF THIS QUADRANGLE AREA. 100 -180 -300 Injures some orchids Recommended limit for public supplies 3 WELL SAMPLED FOR CHLORIDE ANALYSIS, April 1975. Number 250 is chloride concentration, in milligrams per liter. 300 -• 45 Local well number is shown on sheet 1. Kills azaleas, causes injury to some tender plants, vegetables, flowers, and citrus foliage 600 -Agricultural significance levels were derived from experimental greenhouse plots and field observations, and reported as a form letter distributed by Brevard 730 -- 1200 Damages a number of succulent plants County Cooperative Extension Service (Rose, 1977) (reference, sheet 3). Total salt values represent sodium chloride (NaCl) and 900 - 1500 Damages bahiagrass, sweetgum, tibouchina, and many foliage plants 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 1100 -- 1800 Injures many woody plants including citrus (root area) using data from both sources. Chloride concentrations, in milligrams per liter, are portrayed on this overlay. Not recommended for plant use except St. Augustine grass. Water 1200 may damage or kill plants when watering lawn. National Academy of Sciences and National Academy of Engineering, 1974 (reference, sheet 3).

OVERLAY MAP OF THE FELLSMERE NW QUADRANGLE, FLORIDA; CHLORIDE CONCENTRATION OF WATER IN THE SHALLOW AQUIFER, 1975









