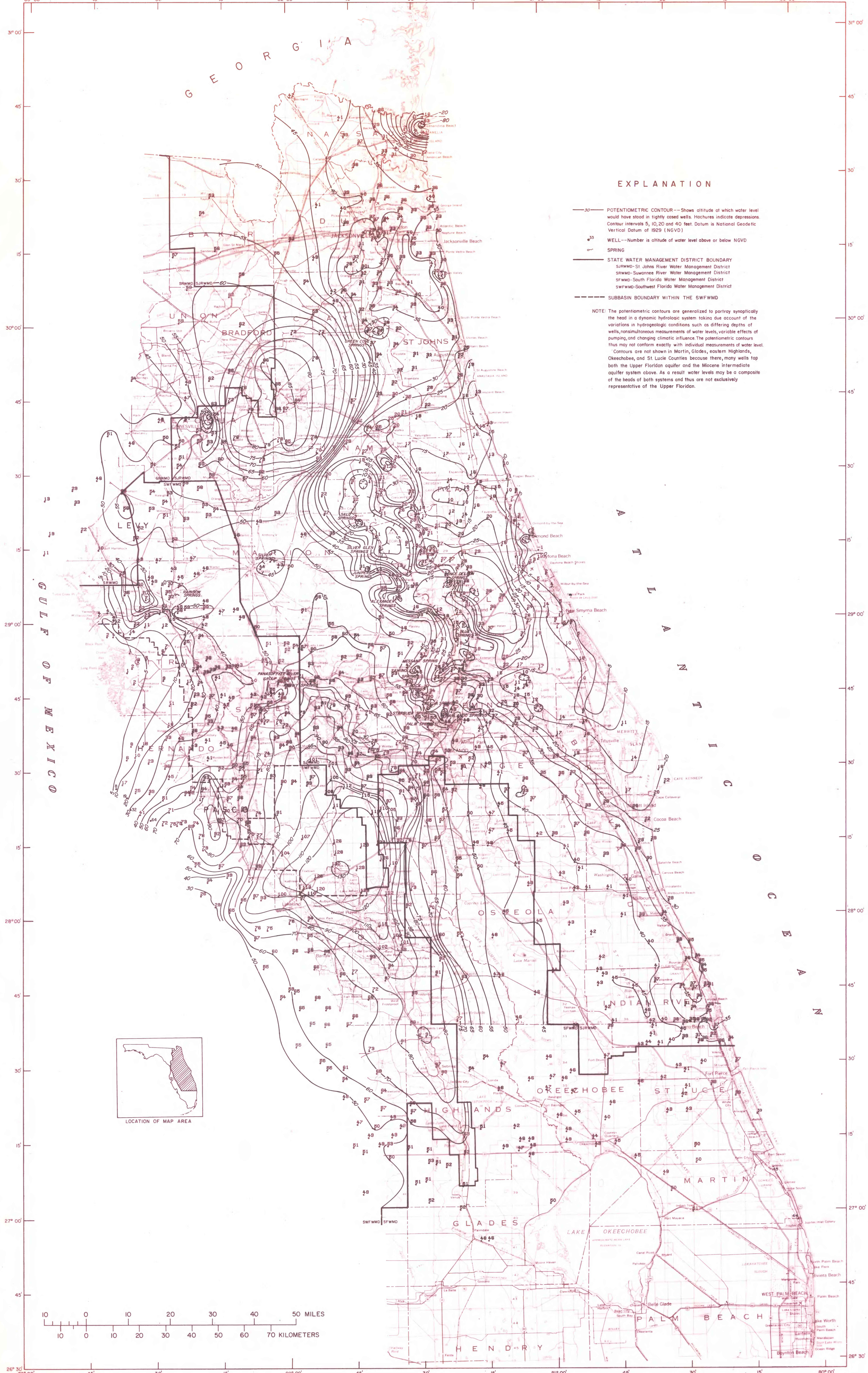


ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

BREVARD, DUVAL, AND VOLUSIA COUNTIES; SOUTH FLORIDA WATER MANAGEMENT DISTRICT;
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT; CITY OF COCOA; AND
REEDY CREEK IMPROVEMENT DISTRICT

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 84-865



EXPLANATION

- 30 — POTENTIOMETRIC CONTOUR — Shows altitude at which water level would have stood in tightly cased wells. Hachures indicate depressions. Contour intervals 5, 10, 20 and 40 feet. Datum is National Geodetic Vertical Datum of 1929 (NGVD)
- 33 • WELL — Number is altitude of water level above or below NGVD
- SPRING
- STATE WATER MANAGEMENT DISTRICT BOUNDARY
SRWMD—St. Johns River Water Management District
SRWMD—Suwannee River Water Management District
SFWMD—South Florida Water Management District
SWFMD—Southwest Florida Water Management District
- SUBBASIN BOUNDARY WITHIN THE SWFMD

NOTE: The potentiometric contours are generalized to portray synoptically the head in a dynamic hydrologic system taking account of the variations in hydrogeologic conditions such as differing depths of wells, nonsimultaneous measurements of water levels, variable effects of pumping, and changing climatic influence. The potentiometric contours thus may not conform exactly with individual measurements of water level. Contours are not shown in Martin, Glades, eastern Highlands, Okeechobee, and St. Lucie Counties because there, many wells tap both the Upper Floridan aquifer and the Miocene intermediate aquifer system above. As a result, water levels may be a composite of the heads of both systems and thus are not exclusively representative of the Upper Floridan.



LOCATION OF MAP AREA

10 0 10 20 30 40 50 MILES
10 0 10 20 30 40 50 60 70 KILOMETERS

POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN THE ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 1984

By
G.R. Schiner and E. C. Hayes
1984

Copies of this map can be purchased from:

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