



EXPLANATION

- DISCHARGE AREA--Area of artesian flow, May 1976. Tightly cased wells that tap the Floridan aquifer will flow at land surface.
- 30 POTENTIOMETRIC CONTOUR--Shows altitude at which water level would have stood in tightly cased wells in the Floridan aquifer, May 1976 (Laughlin, 1976). Contour interval 5 feet. Dashed lines are interpolated 1-foot contours. Datum is mean sea level.
- 29
- 3 LINE OF EQUAL CHANGE OF POTENTIOMETRIC LEVEL, July 1957 (Brown and others, 1962a) to May 1976 (Laughlin, 1976)--interval 1 foot.
- Direction of flow of water in Floridan aquifer.

SELECTED REFERENCES (continued)

Laughlin, C. P., 1976, Potentiometric surface map of the Floridan aquifer in east-central Florida, May 1976: U.S. Geological Survey Open-File Report 76-813.

Lichtler, W. F., and Anderson, Warren, 1968, Water resources of Orange County, Florida: Florida Geological Survey Report of Investigation 50, 150 p.

National Academy of Sciences and National Academy of Engineering, 1974, Water quality criteria 1972: Washington, D.C., U.S. Government Printing Office, 594 p.

Neill, R. M., 1955, Basic data of the 1946-47 study of the ground-water resources of Brevard County, Florida: U.S. Geological Survey open-file report, 45 p.

Ranney Water Collector Corp. of New York, 1947, Report on underground survey for the city of Cocoa, Florida: Ranney Water Collector Corp., New York, 11 p.

Rose, Sylvester A., 1977, Testing salt levels in well water including recommended limits for agricultural products (Brevard County Form letter for water test results): Florida University Cooperative Extension Service, University of Florida, Institute of Food and Agricultural Science.

Simonson, Roy W., 1962, Soil classification in the United States: Science, v. 137, p. 1027-1034.

Snell, L. J., and Anderson, Warren, 1970, Water resources of northwest Florida: Florida Bureau of Geology Report of Investigation 54, 77 p.

U.S. Department of Agriculture, 1960, Soil Classification, a comprehensive system, 7th approximation (supplements issued in March 1967 and September 1968): 265 p.

1969, Report for St. Johns River basin and intervening coastal areas, Florida: Soil Conservation Service, 158 p.

1974, Soil survey for Brevard County, Florida: Soil Conservation Service, 123 p.

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

Note: The contours showing change in potentiometric level are based on intersecting contour points of potentiometric maps prepared for July 1957 and May 1976. The potentiometric conditions for July 1957 are considered average (Brown and others, 1962a, p. 73); those for May 1976 are considered lower than average. Some control data are on adjacent quadrangles.

OVERLAY MAP OF THE SHARPES QUADRANGLE, FLORIDA; POTENTIOMETRIC SURFACE AND DISCHARGE AREAS, MAY 1976 AND CHANGE IN POTENTIOMETRIC LEVEL OF THE FLORIDAN AQUIFER, JULY 1957 TO MAY 1976

By  
James M. Prazee, Jr.,  
and  
C. P. Laughlin  
1979



79-341m

17(234)419  
5h 2/4  
sheet-3  
C.

M(200)  
R29c  
79-341  
543  
c1

