

INTRODUCTION

This quadrangle map is one of 14 U.S. Geological Survey 1°x2° quadrangle maps at a scale of 1:250,000 that shows the location of potential ground-water quality monitoring wells in Florida. The statewide coverage of these quadrangle maps is shown on the location diagram. Cumulatively, the 14 maps show 1,846 well locations and represent the results of part of a cooperative Federal/State investigation to design a ground-water quality network and to develop a computerized ground-water quality data base for Florida. A companion report by Seaber and Thagard (1986) identifies and describes the 1,846 wells. These wells were identified using data stored in the U.S. Geological Survey computer and meet the selection criteria of known location, depth, diameter, aquifer tapped, and sampled during the period of January 1970 through October 1982. A recently published report by Seaber and Williams (1985) lists all wells in Florida known to have been sampled for ground-water quality prior to 1982 without restriction to selection criteria other than being stored in the U.S. Geological Survey Master Water Data Index.

These 14 quadrangle maps, published in the U.S. Geological Survey Water-Resources Investigations Reports (WRIR) series (Thagard and Seaber, 1986), are given below with their unique WRIR number:

Apalachicola	WRIR 85-4131
Daytona Beach	WRIR 85-4132
Fort Pierce	WRIR 85-4133
Gainesville	WRIR 85-4134
Jacksonville	WRIR 85-4135
Key West	WRIR 85-4136
Miami	WRIR 85-4137
Orlando	WRIR 85-4138
Pensacola	WRIR 85-4139
Tallahassee	WRIR 85-4140
Tampa	WRIR 85-4141
Tarpon Springs	WRIR 85-4142
Valdosta	WRIR 85-4143
West Palm Beach	WRIR 85-4144

The maps may be purchased separately (specify WRIR number) from:

Open-File Services Section
U.S. Geological Survey
Box 24625, Federal Center
Denver, CO 80225
Phone: 303/236-7476

The companion report, "Identification and description of potential ground-water quality monitoring wells in Florida" (WRIR 85-4130), by Seaber and Thagard (1986) presents a station description for the wells plotted on this map as well as for those plotted on the other quadrangle maps. The well locations are cross-referenced by plot number between the maps and companion report (WRIR 85-4130). Some plot numbers represent more than one well. These are wells that are less than 1 minute of latitude and longitude from one another or located approximately within a circle having a 1-mile diameter. The companion report provides information on well location such as county code, latitude and longitude, and hydrologic unit code; site characteristics such as site type, site use, water use, principal aquifer tapped, well depth, well diameter, casing material, and well finish; period of record; and type and frequency of water-quality data collected for each well. In addition, the criteria and procedures are given for selecting the 1,846 wells from the more than 20,000 wells for which data were stored in the U.S. Geological Survey computer as of October 1982.

The companion report (WRIR 85-4130) may also be purchased from the Open-File Services Section as can the previously published report by Seaber and Williams (Open-File Report 85-177). For additional information contact:

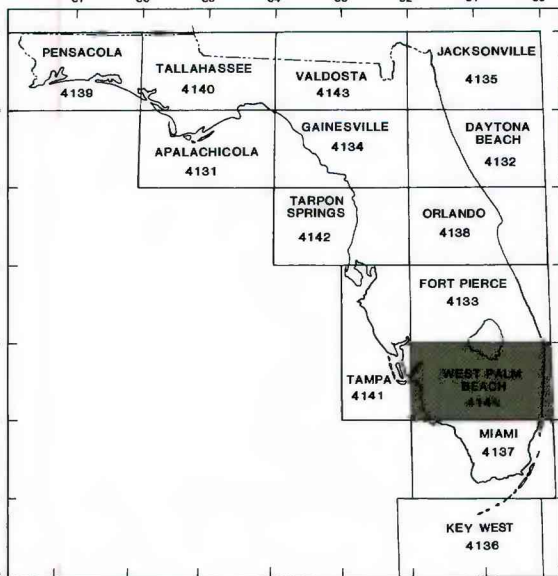
District Chief
U.S. Geological Survey
Suite 3015
227 North Brougham Street
Tallahassee, FL 32301
Phone: 904/681-7620

REFERENCES

Seaber, P.R., and Thagard, M.E., 1986, Identification and description of potential ground-water quality monitoring wells in Florida: U.S. Geological Survey Water-Resources Investigations Report 85-4130.

Seaber, P.R., and Williams, O.O., 1985, Index of ground-water quality data for Florida: U.S. Geological Survey Open-File Report 85-177, 478 p.

Thagard, M.E., and Seaber, P.R., 1986, Location of potential ground-water quality monitoring wells of the 1°x2° quadrangle, Florida: U.S. Geological Survey Water-Resources Investigations Reports 85-4131 through 85-4144, 1 map sheet each. (See above for quadrangle name and WRIR number.)



LOCATION DIAGRAM FOR
WRI 85-4144

Base from Army Map Service, Corps of Engineers,
1968, 1:250,000 quadrangle map

EXPLANATION

- 51 FLORIDIAN AQUIFER
- 3 BISCAIYNE AQUIFER
- 14 INTERMEDIATE AQUIFER
- 55 SURFICIAL AQUIFER
- 22 FLORIDIAN AND BISCAIYNE AQUIFERS

LOCATION OF POTENTIAL GROUND-WATER QUALITY MONITORING WELLS,
WEST PALM BEACH 1°X2° QUADRANGLE, FLORIDA

By
Martha E. Thagard and Paul R. Seaber
1986

