UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1403-B
PLATE 23

SOUTHWEST G — NORTHEAST G′

FEET

FLA-PIN-2 COASTAL E. C. WRIGHT 1 7-30S-17E — G. L. 2′ — SP 20 MV — RESISTIVITY 0–50 -OHMS, M² /M

FLA-HIL-2 THOMASON GRASSING 16-27S-20E — G. L. 47′ — GAMMA RAY RADIOACTIVITY INCREASES

FLA-POL-4 USGS POLK CITY 32-26N-25E — G. L. 137′

FLA-OR-11 EPA SAND LAKE 32-23S-29E — G. L. 90′ — SP 10 MV — RESISTIVITY 0–100 -OHMS, M² /M

Section B-B″

FLA-OR-5 WARREN GEORGE TERRY 1 21-23S-31E — G. L. 65′ — SP 10 MV — RESISTIVITY 0–200 -OHMS, M² /M

FLA-OR-10 TEXACO DESERET FARMS 1 20-23S-33E — G. L. 68′ — SP 10 MV — RESISTIVITY 0–10 -OHMS, M² /M

POST-MIOCENE ROCKS

ROCKS OF MIOCENE AGE

ROCKS OF OLIGOCENE AGE

ROCKS OF LATE EOCENE

ROCKS OF MIDDLE EOCENE AGE

ROCKS OF EARLY EOCENE AGE

ROCKS OF PALEOCENE AGE

Surficial aquifer — Upper confining unit — Upper Floridan aquifer — Middle confining unit — Lower Floridan aquifer — Lower confining unit — FLORIDAN AQUIFER SYSTEM

Sea level

M-6 · OL-10, ME-8 · UE-6 · UE-5 · ME-3 · ME-7 · LE-2 · UE-4 · ME-2,3,4,8 · ME-2 · ME-1 · ME-4 · ME-6 · Cavernous · ME-3

Shift

TD 1736 · TD 1859 · TD 6040 · TD 6524 · TD 7050 · TD 11,505

Scale Change

Run1 Run3

EXPLANATION

Rock Types

- Sand
- Interbeded sand and clay
- Sandy clay
- Dolomite
- Sandy dolomite
- Clayey dolomite
- Limestone
- Sandy limestone
- Clayey limestone
- Dolomitic limestone
- Evaporite
- No sample

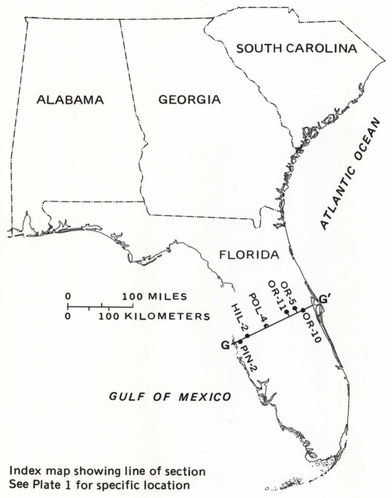
Accessories

- Microfossils
- Macrofossils
- Glauconite
- P Phosphate
- L Carbonaceous material
- △ Chert
- // Intergranular gypsum
- UE-4 Index fossil occurance (see table 1)

Hydrologic Units

High-permeability units are unpatterned

- Upper confining unit of the Floridan aquifer system
- II Confining unit of subregional extent within the Floridan aquifer system (Roman numerals keyed to text)
- Local confining unit within the Floridan aquifer system
- Lower confining unit of the Floridan aquifer system



Index map showing line of section
See Plate 1 for specific location

Scale 1:400,000
0 10 20 MILES
0 10 20 KILOMETERS
Vertical scale greatly exaggerated

Geohydrologic cross-section G-G′ from E. C. Wright well 1, Pinellas County, Florida, to Cocoa salinity monitor well 'C', Orange County, Florida.

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