UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1403-B
PLATE 16

Projected location of LNP site:
~90 km (~55 mi) west of cross section line

NORTHWEST B — SOUTHEAST B'

FEET

GA-PU-2 AINSWORTH E. H. TRIPP 1 — G. L. 280' — T. D. 2177
GA-COF-6 CARPENTER NINA McLEAN 1-A — G. L. 193' — T. D. 1710
GA-COF-3 CARPENTER J. H. KNIGHT — G. L. 260' — T. D. 3881
GA-COF-9 CITY OF DOUGLAS 3 — G. L. 245' — T. D. 405
GA-CLI-4 HUNT ALICE MUSGROVE 2 — G. L. 162' — T. D. 3859
GA-CLI-2 GRACE LEM GRIFFIS 1 — G. L. 110' — T. D. 4478
FLA-BA-1 HUNT FEE 21-1N-20E — G. L. 124' — T. D. 3224
FLA-BRA-3 INEXCO GILMAN PAPER 1 24-4S-22E — G. L. 175' — T. D. 2296
FLA-AL-4 TIDEWATER J. A. PHIFER 24-9S-21E — G. L. 122' — T. D. 3116
FLA-MAR-8 AMOCO 1-U.S.A. UNIT 6-4 6-15S-26E — G. L. 63' — T. D. 4020

POST-MIOCENE ROCKS
ROCKS OF MIOCENE AGE
ROCKS OF OLIGOCENE AGE
ROCKS OF LATE EOCENE AGE
ROCKS OF MIDDLE EOCENE AGE
ROCKS OF EARLY EOCENE AGE
ROCKS OF PALEOCENE AGE
ROCKS OF PALEOCENE AGE
ROCKS OF CRETACEOUS AGE

Sea level

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

EXPLANATION

Rock Types
- Sand
- Slightly clayey sand
- Highly clayey sand
- Calcareous silt
- Clay
- Sandy clay
- Limestone
- Sandy limestone
- Dolomitic limestone
- Dolomite
- Sandy dolomite
- No sample

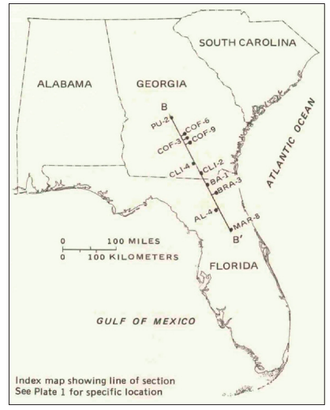
Accessories
- Microfossils
- Macrofossils
- Glauconite
- P Phosphate
- L Carbonaceous material
- Mica
- Chert
- Intergranular gypsum
- UE-3 Index fossil occurence (see table 1)

Hydrologic Units

High-permeability units are unpatterned

- Upper confining unit of the Floridan aquifer system
- 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

0 10 20 miles
0 10 20 kilometers
Vertical scale greatly exaggerated



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

Source: Miller (1986)

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Part 2, Final Safety Analysis Report

Geohydrologic Cross Section B-B' from
Pulaski County, Georgia to
Marion County, Florida
Figure 2.5.1-215

Rev 0