

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

Stephen M. Herrick, Geologist
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
sandy, cherty, fossiliferous, (fragments and casts of megafossils, echinoid and bryozoan remains, and Foraminifera, latter at depth)	42	102
<i>Nonion advena</i> , <i>Nonion inexcavatus</i> , <i>Valvulineria jacksonensis</i> , <i>Discorbis assulata</i> , and <i>Cibicides lobatulus</i> at 78-102.		

Middle Eocene: Claiborne Group: Lisbon Formation:

Sand: fine to coarse-grained, subangular, sparsely phosphatic, with brown pebbles; limestone, pale, yellowish-green, dense, saccharoidal, sparsely phosphatic, sandy, fossiliferous (casts and molds of megafossils, echinoid and bryozoan remains)	108	210
Limestone: pale, yellowish-green, dense, very sandy, sparsely phosphatic, fossiliferous (casts and molds of megafossils)	40	250

Summary:

Miocene (undifferentiated)	60	60
Upper Eocene (Barnwell formation)	42	102
Middle Eocene (Lisbon formation)	148	250

Potential Water-Bearing Zones:

Sand	108	210
Limestone	40	250

BURKE COUNTY

Location: Near Girard
 Owner: Girard Consolidated School
 Driller: Virginia Supply and Well Co.
 Drilled: September 1954

Well No.: GGS 392
 Elev.: 230

	Thickness (feet)	Depth (feet)
Miocene (Undifferentiated):		
Clay: light to red (mottled), micaceous, very sandy	60	60

Upper Eocene: Jackson Group: Cooper Marl:

Sand: fine to coarse-grained, subangular, micaceous; limestone, white, somewhat saccharoidal, dense, sandy, sparsely

	Thickness (feet)	Depth (feet)
phosphatic, fossiliferous (macroshells, echinoid and bryozoan remains, Ostracods, and Foraminifera)	115	175

Spiroplectamina mississippiensis, *Nonion advena*, *Nonion inexcavatus*, *Elphidium texanum*, *Valvulineria jacksonensis*, *Discorbis globulo-spinosa*, *Discorbis assulata*, *Guttulina irregularis*, *Sigmomorphina semitecta* var., *Reussella oligocenica* at 103-137.

Summary:

Miocene (undifferentiated)	60	60
Upper Eocene (Cooper marl)	115	175

Potential Water-Bearing Zones:

Limestone	20	157
-----------------	----	-----

BURKE COUNTY

Location: In Waynesboro
 Owner: No. 1 W. A. Wilkins
 Drilled: 1888

Well No.: GGS 520
 Elev.: 280

	Thickness (feet)	Depth (feet)
No samples	40	40
In Eocene (Undifferentiated):		
Sand; fine-grained; clay, pink, sandy, micaceous	20	60
Sand: fine to medium-grained, angular, with inclusions of residual limestone	90	150
Sand: coarse-grained; limestone, white to gray, dense (much calcitized), sandy, fossiliferous (macroshells, and some bryozoan remains)	80	230
Sand: fine to medium-grained, sparsely phosphatic; marl, yellowish-green, somewhat indurated, silty, finely disseminated phosphatic grains, carbonaceous, micaceous	10	240
Marl: as above, but fossiliferous (Radiolaria, Ostracods, and Foraminifera)	50	290
<i>Cibicides americanus</i> var., <i>Cibicides</i> cf. <i>C. refulgens</i> at 240-290.		
Sand: fine-grained; marl, as above	20	310