

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

THE GEOLOGICAL SURVEY
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WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

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Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
Summary:		
Upper Cretaceous (Tuscaloosa formation)	305	305
Basement complex (undifferentiated)	895	1,200

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	10	215
Sand: fine to coarse-grained	10	305
Fractures and voids in basement complex	870	1,200

RICHMOND COUNTY

Location: At Hotel Bon Aire, Augusta
 Owner: No. 1 Hotel Bon Aire
 Driller: Virginia Supply and Well Company
 Drilled: May 1952

Well No.: GGS 309
 Elev.: 330

	Thickness (feet)	Depth (feet)
No samples	15	15

In Upper Eocene: Jackson Group, Barnwell Formation:

Clay: light-brown, sandy, micaceous	20	35
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Upper Cretaceous: Tuscaloosa Formation:

Kaolin: white, micaceous, very sandy	25	60
Kaolin: white to gray to brick-red to purple (mottled), mica- ceous, limonitic	60	120
Sand: fine to coarse-grained	10	130
Kaolin: white, micaceous, very sandy	10	140
Sand: fine to coarse-grained	18	158

Basement Complex (Undifferentiated)¹:

Clay: gray, micaceous	2	160
Schist: green, chloritic	320	480

Summary:

No samples	15	15
In upper Eocene (Barnwell formation)	20	35
Upper Cretaceous (Tuscaloosa formation)	123	158
Basement complex (undifferentiated)	322	480

¹Probably Little River Series of Precambrian (?) age.

	Thickness (feet)	Depth (feet)
Potential Water-Bearing Zones:		
Sand: fine to coarse-grained	10	130
Sand: fine to coarse-grained	18	158
Schist	100	260

RICHMOND COUNTY

Location: Silver Crest and Fleming Heights, Grace-
wood

Well No.: GGS 371

Elev.: 272

Owner: No. 1 Silver Crest School

Driller: Virginia Supply and Well Company

Drilled: January 1954

	Thickness (feet)	Depth (feet)
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Upper Eocene: Jackson Group: Barnwell Formation:

Clay: gray to brown to red (mottled), sandy, limonitic	20	20
Clay: as above; inclusions of kaolin, white, micaceous, some- what sandy	10	30

Upper Cretaceous: Tuscaloosa Formation:

Kaolin: white, micaceous, somewhat sandy	10	40
Clay: light-brown, micaceous, rather sandy	10	50
No samples	5	55
Kaolin: white, micaceous, sandy; interbedded sand, fine to coarse-grained	180	235
Sand: fine to coarse-grained	15	250
Kaolin: white, micaceous, sandy	5	255
Clay: light-brown, micaceous, very sandy	7	262

Summary:

Upper Eocene (Barnwell formation)	30	30
Upper Cretaceous (Tuscaloosa formation)	232	262

Potential Water-Bearing Zones:

Sand: fine to coarse-grained	20	120
Sand: fine to coarse-grained	10	150
Sand: fine to coarse-grained	15	250