

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:

No samples	9	9
In Upper Cretaceous (Tuscaloosa formation)	153	162
Basement complex (undifferentiated)	167	329

Potential Water-Bearing Zones:

Sand: medium to coarse-grained	18	158
Fractures and voids in Basement complex	154	329

RICHMOND COUNTY

Location: Augusta

Well No.: GGS 130

Owner: No. 2, Georgia Training School (Circular Court) Elev.: 136

Driller: Virginia Machine and Well Company

Drilled: May 1940

Thickness
(feet) Depth
(feet)

Upper Cretaceous: Tuscaloosa Formation:

Sand: fine to coarse-grained, brown, argillaceous, arkosic	10	10
Kaolin: gray to cream, micaceous	15	25
Kaolin: brick-red, micaceous, very sandy, limonitic	25	50
Kaolin: gray to pink, micaceous, sandy	45	95
Kaolin: white to gray to yellow, micaceous	40	135
Sand: fine to medium-grained, angular with inclusions of kaolin (clay balls)	10	145
Kaolin: gray to yellow to tan to red, micaceous, sandy	50	195
Sand: fine to coarse-grained, angular, with inclusions of kaolin (clay balls)	20	215
Kaolin: white to gray to yellow to pink, very sandy, micaceous	80	295
Sand: fine to coarse-grained, angular, arkosic	10	305

Basement Complex (Undifferentiated): /

Clay: olive-green to tan, sandy, highly micaceous	20	325
Clay: as above, but dark bluish-green	5	330
Crystalline rock	870	1,200

	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.